

Matches 1000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGTACCTTATCTCTGAACTCAGTTCTCTCATCCGTAAATGAAGAAGCTGTAG 60
DB 1 GGTGTACCTTATCTCTGAACTCAGTTCTCTCATCCGTAAATGAAGAAGCTGTAG 60
QY 61 ATTGTGTAAAAAATTAATGAATAGAGGTAGGCGGGTGGCTCAGCGCTGTATCCCA 120
DB 61 ATTGTGTAAAAAATTAATGAATAGAGGTAGGCGGGTGGCTCAGCGCTGTATCCCA 120
QY 121 GCACCTTGAAGGTGGAAGGGTGTGATCACTTGAAGTCAAGAGATTGAGACCAAGCTTG 180
DB 121 GCACCTTGAAGGTGGAAGGGTGTGATCACTTGAAGTCAAGAGATTGAGACCAAGCTTG 180
QY 181 GCCAACACGGGTGAACCCCATCTCTACTATAAATAAATAATTAAGCTGGGTGGGTGCT 240
DB 181 GCCAACACGGGTGAACCCCATCTCTACTATAAATAAATAATTAAGCTGGGTGGGTGCT 240
QY 241 CACACCTGTATCCCACTTTGGAGGCTGAGACGGGTGATCACTGAAAGTCAAGAG 300
DB 241 CACACCTGTATCCCACTTTGGAGGCTGAGACGGGTGATCACTGAAAGTCAAGAG 300
QY 301 TTCAAGGCCACGCTGGGCAACATGTGTAAACAGCTCTCTAATAAATAAATAATAG 360
DB 301 TTCAAGGCCACGCTGGGCAACATGTGTAAACAGCTCTCTAATAAATAAATAATAG 360
QY 361 CCAAGTGTGGTGGACACGCTGTAGTCCAGCTACTTGGAGGCTGAGGCGGAAGATC 420
DB 361 CCAAGTGTGGTGGACACGCTGTAGTCCAGCTACTTGGAGGCTGAGGCGGAAGATC 420
QY 421 GCTTGAACCCAGTAGGAGAGGTGACAGTGAAGCCGAGATGAAGTCACTGCACTCCAGC 480
DB 421 GCTTGAACCCAGTAGGAGAGGTGACAGTGAAGCCGAGATGAAGTCACTGCACTCCAGC 480
QY 481 TGGGTGACAGAGCAAGCTCCCTCTCAGAAATAAATAAATAAATAAATAAATAA 540
DB 481 TGGGTGACAGAGCAAGCTCCCTCTCAGAAATAAATAAATAAATAAATAAATAA 540
QY 541 AATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 600
DB 541 AATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 600
QY 601 AGTAATAGTATCAATATCCCAACCCCTACCACTGTGCTGAATTAAGTTCTTTTGTG 660
DB 601 AGTAATAGTATCAATATCCCAACCCCTACCACTGTGCTGAATTAAGTTCTTTTGTG 660
QY 661 ACCCCCACTTAAGCTTAAGGCAAGATCTGACGCTCTCTGTAATTTCTGTTCTCT 720
DB 661 ACCCCCACTTAAGCTTAAGGCAAGATCTGACGCTCTCTGTAATTTCTGTTCTCT 720
QY 721 GGCAATAGTGGGTCTCACTGAAACATGTGTGAATGAGCAAAATGCAAGAAATCTCC 780
DB 721 GGCAATAGTGGGTCTCACTGAAACATGTGTGAATGAGCAAAATGCAAGAAATCTCC 780
QY 781 AGGCCATCTGGAGAGCCCTCCAGCGGGTGAAGTTCCGGAATCTCATAGTCTCTCAAT 840
DB 781 AGGCCATCTGGAGAGCCCTCCAGCGGGTGAAGTTCCGGAATCTCATAGTCTCTCAAT 840
QY 841 GGCCCACTGAAGAGTGAAGTCTGGGTCCCACTCCGCAACCCCATCTCTGACCTGAC 900
DB 841 GGCCCACTGAAGAGTGAAGTCTGGGTCCCACTCCGCAACCCCATCTCTGACCTGAC 900
QY 901 TGCCTGAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 960
DB 901 TGCCTGAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 960
QY 961 CAGAGCTGCAAGAGCCGACAGATGATGACCGGCTGC 1000
DB 961 CAGAGCTGCAAGAGCCGACAGATGATGACCGGCTGC 1000

RESULT 2
US-09-817-180-3

; Sequence 3, Application US/09817180
; Patent No. 6340584
; GENERAL INFORMATION:
; APPLICANT: GAN, Weiniu et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: CL001183
; CURRENT APPLICATION NUMBER: US/09/817,180
; CURRENT FILING DATE: 2001-03-27
; NUMBER OF SEQ. ID NOS: 4
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ. ID NO 3
; LENGTH: 15297
; TYPE: DNA
; ORGANISM: Human
; US-09-817-180-3

Query Match 29.6%; Score 296; DB 4; Length 15297;
Best Local Similarity 83.4%; Pred. No. 4.6e-58;
Matches 371; Conservative 0; Mismatches 71; Indels 3; Gaps 3;

QY 97 CGGTGCTCAGGCTGTATATCCAGACATTGAAAGTGAAGAGGTGATCACTTAG 156
DB 11700 CAGTTGCTCAGGCTGTATATCCAGACATTGAAAGTGAAGAGGTGATCACTTAG 11759
QY 157 GTGAGAGTTTGAAGACAGCTGGCCAAACAGGTGAACCCCATCTCTAATAAATAA 216
DB 11760 CCGAGAG-TTCAAGATCAGCTTGGACCAACAGTGAATCTGTAACAAAAATAC 11818
QY 217 AAAATTAGTGGGTGGGTGGGTGCTCAACCTGTATATCCAGACATTGAAAGTGAAG 276
DB 11819 AAAATTAGTGGGTGGGTGGGTGCTCAACCTGTATATCCAGACATTGAAAGTGAAG 11878
QY 277 GGTGTGATCACTGGAAGTGAAGTCAAGGCAAGCTGGGCAACATGTGAACACAGCT 336
DB 11879 AGGTGTATCACTGTGTGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 11938
QY 337 CTCTACTAAAAATATCAAAATTAAGCCAGGTGTGTGAGTGAAGTGAAGTGAAGTGAAG 396
DB 11939 CTCTACTAAAAATATCAAAATTAAGCCAGGTGTGTGAGTGAAGTGAAGTGAAGTGAAG 11998
QY 397 TTGGGAGGCTGAGGCGGAAGATGCTTGAACCCAGTGAAGGCAAGGTTGAGTGAAGCCGA 456
DB 11999 TTGGGAGGCTGAGGCGGAAGATGCTTGAACCCAGTGAAGGCAAGGTTGAGTGAAGCCGA 12058
QY 457 GATTAAGTCACTGCACTCCAGCTGGGTGAC-AGAGCAAGACTCCCTGCAAAATAA 515
DB 12059 GAT-TGTGCCACTGCACTCCAGCTGGGTGACAGAGTGAAGTGAAGTGAAGTGAAGTGAAG 12117
QY 516 AATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 540
DB 12118 CAAAAAACAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 12142

RESULT 3
US-08-916-901-6
; Sequence 6, Application US/08916901
; Patent No. 583012
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: RAB PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESS: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304

Sequence 5, Application US/09318448
Patent No. 6210950
GENERAL INFORMATION:
APPLICANT: Johnson, William G.
APPLICANT: Stenroos, Edward S.
TITLE OF INVENTION: METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
FILE OF INVENTION: DEVELOPMENTAL DISORDERS
CURRENT APPLICATION NUMBER: US/09/318,448
CURRENT FILING DATE: 1999-05-25
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 5
LENGTH: 7720
TYPE: DNA
ORGANISM: Homo sapiens
US-09-318-448-5

Query Match 28.4%; Score 284; DB 3; Length 7720;
Best Local Similarity 84.9%; Pred. No. 2,1e-55;
Matches 376; Conservative 0; Mismatches 61; Indels 6; Gaps 5;

QY 87 AGCTGAGCCCGGCTGCTACGCTGTAATCCGACCTTTAGAGGTGCAAGAGGGTGG 146
DB 6233 AGGCTGGGTGCAAGTGGCTTACTTGTGTAATCCGACCTTTGGAGGCAAGGAGGTGG 6174
QY 147 ATCACTTGAGGTGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 206
DB 6173 ATCACTTGAGGTGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 6115
QY 207 CTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 265
DB 6114 CTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 6055
QY 266 GAGGCTGAGCGGGTGGTATCACTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 325
DB 6054 GAGGCTGAGCGGGTGGTATCACTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 5997
QY 326 TGAACCCAGCTCTCTACTTAATAAATATAC-AAAAATTAGCAGGTGTGTGGTGGTGGTGG 384
DB 5996 TGAACCCAGCTCTCTACTTAATAAATATACAAAAATTAGCAGGTGTGTGGTGGTGGTGG 5937
QY 385 AGTCCAGCT 444
DB 5936 AGTCCAGCT 5877
QY 445 GCAGTGAGCGGAGTAAAGTCACTGCACTCCAGCCTGGGGTGGTGGTGGTGGTGGTGGTGG 504
DB 5876 GCAGTGAGCGGAGTCACTGCACTCCAGCCTGGGGTGGTGGTGGTGGTGGTGGTGGTGG 5818
QY 505 TCAGAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 527
DB 5817 TCAGAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 5795

RESULT 6
US-09-801-861-3/c
Sequence 3, Application US/09801861
Patent No. 6492154
GENERAL INFORMATION:
APPLICANT: YAM, Chunhua et al.
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE OF INVENTION: THEREOF
CURRENT APPLICATION NUMBER: US/09/801,861
CURRENT FILING DATE: 2001-03-09
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 53332
TYPE: DNA
ORGANISM: Human

US-09-801-861-3
Query Match 28.0%; Score 279.6; DB 4; Length 53332;
Best Local Similarity 78.2%; Pred. No. 3e-54;
Matches 373; Conservative 0; Mismatches 100; Indels 4; Gaps 3;

QY 88 GGTGAGCGGGTGGTCTACGCTGTAATCCGACCTTTAGAGGTGCAAGAGGGTGGCA 147
DB 25692 GGTGAGCGGGTGGTCTACGCTGTAATCCGACCTTTAGAGGTGCAAGAGGGTGGCA 25633
QY 148 TCACCTGAGGTGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 207
DB 25632 TCACCTGAGGTGCAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 25574
QY 208 TAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 267
DB 25573 TAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 25516
QY 268 GGTGAGCGGGTGGTCTACGCTGTAATCCGACCTTTAGAGGTGCAAGAGGGTGGCA 327
DB 25515 GGTGAGCGGGTGGTCTACGCTGTAATCCGACCTTTAGAGGTGCAAGAGGGTGGCA 25456
QY 328 AACCAAGTCTCTACTTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 387
DB 25455 AACCAAGTCTCTACTTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 25396
QY 388 CCAGCTACTTGGGAGGCTGAGGCGGAGGAGTGGTGAACCCAGTGAAGGAGGAGTGGCA 447
DB 25395 CCAGCTACTTGGGAGGCTGAGGCGGAGGAGTGGTGAACCCAGTGAAGGAGGAGTGGCA 25336
QY 448 GTGAGCGGAGTGAAGTCACTGCACTCCAGCTGGGGTGGTGGTGGTGGTGGTGGTGG 507
DB 25335 GTGAGCGGAGTGAAGTCACTGCACTCCAGCTGGGGTGGTGGTGGTGGTGGTGGTGG 25277
QY 508 GAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 564
DB 25276 GAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 25220

RESULT 7
US-08-257-963B-10
Sequence 10, Application US/08257963B
Patent No. 5840686
GENERAL INFORMATION:
APPLICANT: Chader, Gerald J.; Becerra, S.
APPLICANT: Patricia; Schwartz, Joan P.;
APPLICANT: Taniwaki, Takayuki
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION OF ITS NOVEL
TITLE OF INVENTION: BIOLOGICAL ACTIVITY AND SEQUENCES ENCODING
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan
STREET: 345 Park Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/257,963B
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/952,796
FILING DATE: 24-SEPT-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH


```

?      REGISTRATION NUMBER: 36434
?      REFERENCE/DOCKET NUMBER: 20264126US1
?      TELECOMMUNICATION INFORMATION:
?      TELEPHONE: (212) 758-4800
?      TELEFAX: (212) 751-6849
?      INFORMATION FOR SEQ ID NO: 10:
?      SEQUENCE CHARACTERISTICS:
?      LENGTH: 7210 Base Pairs
?      TYPE: Nucleic Acid
?      STRANDEDNESS: Double
?      TOPOLOGY: Unknown
?      MOLECULE TYPE: Genomic DNA
?      ORIGINAL SOURCE:
?      ORGANISM: Human
?      IMMEDIATE SOURCE:
?      LIBRARY: DASH II
?      FEATURE:
?      NAME/KEY: JT106
?      LOCATION:
?      IDENTIFICATION METHOD:
?      OTHER INFORMATION: 7.2 kb No. 5840686 1 fragments
?      OTHER INFORMATION: Derived from human placental genomic DNA
?
US-08-257-963B-10

```

| | | | | | | | |
|-----------------------|--------|--------------|----------|------------|--------|-------|---|
| Query Match | 27.8%; | Score | 277.8; | DB2; | Length | 7210; | |
| Best Local Similarity | 83.3%; | Pred. No. | 5.2e-54; | | | | |
| Matches | 354; | Conservative | 0; | Mismatches | 73; | Gaps | 3 |

| | | | |
|----|------|--|------|
| QY | 88 | GGCTAGAGGGCGGTGGCTCACGCCCTGGTATATCCAGACATTAGAAAGGTGGAAGAGGGGTGA | 147 |
| Db | 3756 | GGCGGGGACCGTGGCTCACGCCCTGTATGTCCAGACATTTTGGAGAGCCGAGGCAAGCAGA | 3815 |
| QY | 148 | TCACCTTAGAGTCAGAGATTTTGAGACCAAGCTCGGCCAACACGGTGAACCCTACTTAC | 207 |
| Db | 3816 | TCACCTTAGAGTCAGAGAG--TTGAGACACAGCTCGGCTTAACAGATGAACCCCGTCTTAC | 3874 |
| QY | 208 | TAAATAATP-AAAAATTAGCTNCGGGGCGGTGGCTCACACCTGTATATCCAGACATTGGG | 266 |
| Db | 3875 | TAAATAATP-CAAAAAATTATGCTGGGCAACGGTGGCTGTGCTCTGTATATCCAGACATTGGG | 3933 |
| QY | 267 | AGGCTGAGACCGGTGGATCACCTGAGTCAGAGATTCAAGGCCAGCCTGGCAACATGAT | 326 |
| Db | 3935 | AGGCAAGAGGTGGGCGAGATCACTTGAGGTCAAGAGTTTGAAGACCAAGCCTTAGCAACATGAT | 3994 |
| QY | 327 | GAACCCACGCTCTACTATAAAAAATCAAAAATTAGCCAGAGTGTGGTCACACGCTGTAG | 386 |
| Db | 3995 | GAACCCCATCTCTACTATAAACTACAAAAATTAGCCGGGAGGTGGTCACGCTGTATA | 4054 |
| QY | 387 | TCCGAGCTACTTGGAGGGCTGAGGCGGAAGATGCTTGAACCCAGTAGGCGAGAGTGGC | 446 |
| Db | 4055 | TCCAGCCAGTCAGAGAGGCTGAGCGGAGAGATCACTGGAAATCTTGGAGGTGAGGTGGC | 4114 |
| QY | 447 | AGTAGACCGAGATAGAGTCACTGCATTCACGCTGGGTGAACAGACAAGACTCCCTTC | 506 |
| Db | 4115 | AGTAGACCGAGAT--GATACCTCTGTACTCCAGCCTGGGGGACAGAGTAGACTCCGCTTC | 4173 |
| QY | 507 | AGAAATATAA 516 | |
| Db | 4174 | AAAAAAAAAA 4183 | |

RESULT 8
 US-08-367-841A-10
 : Sequence 10. Application US/08367841A
 : Patent No. 6319687
 : GENERAL INFORMATION:
 : APPLICANT: Chader, Gerald J.; Rodriguez,
 : APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
 : APPLICANT: Tombran-Tink, Joyce
 : TITLE OF INVENTION: PIGMENT EPITHELIUM
 : TITLE OF INVENTION: DERIVED FACTOR. CHARACTERIZATION GENOMIC
 : TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PDF GENES
 : NUMBER OF SEQUENCES: 43

1 CORRESPONDENCE ADDRESS: 1
2 ADDRESSEE: Morgan & Finnegan 1
3 STREET: 345 Park Avenue 1
4 CITY: New York 1
5 STATE: New York 1
6 COUNTRY: USA 1
7 ZIP: 10154 1
8
9 COMPUTER READABLE FORM: 1
10 MEDIUM TYPE: Floppy Disk 1
11 COMPUTER: IBM PC Compatible 1
12 OPERATING SYSTEM: PC-DOS/MS-DOS 1
13 SOFTWARE: WORDPERFECT 5.1 1
14 CURRENT APPLICATION DATA: 1
15 APPLICATION NUMBER: US/08/367,841A 1
16 FILING DATE: 30-DEC-1994 1
17 CLASSIFICATION: 435 1
18 PRIOR APPLICATION DATA: 1
19 APPLICATION NUMBER: 08/257,963 1
20 FILING DATE: 07-JUN-1994 1
21 PRIOR APPLICATION DATA: 1
22 APPLICATION NUMBER: 07/952,796 1
23 FILING DATE: 24-SEP-1992 1
24 ATTORNEY/AGENT INFORMATION: 1
25 NAME: DOROTHY R. ADTH 1
26 REGISTRATION NUMBER: 36434 1
27 REFERENCE/DOCKET NUMBER: 20264126US2 1
28 TELECOMMUNICATION INFORMATION: 1
29 TELEPHONE: (212) 758-4800 1
30 TELEFAX: (212) 751-6849 1
31 INFORMATION FOR SEQ ID NO: 10: 1
32 SEQUENCE CHARACTERISTICS: 1
33 LENGTH: 7210 Base Pairs 1
34 TYPE: Nucleic Acid 1
35 STRANDEDNESS: Double 1
36 TOPOLOGY: Unknown 1
37 MOLECULE TYPE: Genomic DNA 1
38 ORIGINAL SOURCE: 1
39 ORGANISM: Human 1
40 IMMEDIATE SOURCE: 1
41 LIBRARY: DASH II 1
42 FEATURE: 1
43 NAME/KEY: J76A 1
44 LOCATION: 1
45 IDENTIFICATION METHOD: 1
46 OTHER INFORMATION: 7.0 kb No. 6319687 1-No. 6319687 1
47 OTHER INFORMATION: fragment; Derived from human placental 1
48 OTHER INFORMATION: genomic DNA; also referred to as J7106 1
49 JS-08-367-941A-10 1

| | | | | | | | |
|-----------------------|-------|--------------|---------|------------|----|--------|------|
| Query Match | 27.8% | Score | 277.8 | DB | 4 | Length | 7210 |
| Best Local Similarity | 82.3% | Pred. No. | 5.2e-54 | | | | |
| Matches | 354 | Conservative | 0 | Mismatches | 73 | Indels | 3 |
| | | | | | | Gaps | 3 |

| QY | 88 | GGCTAGAGCGGGTGGCTCAGCGCTGTATCCCAACATTGAAAGTGAAGAGGTGGA | 147 |
|----|------|---|------|
| QY | 3756 | GGCGGGGACGGTGGCTCAGCGCTGTATCCCAACATTGGAGGGCGAAGGACGAGA | 3815 |
| Db | 148 | TCACTTAGAGTCAGGAGTTTGAACCAAGCTGGCCAAACGTTGAAACCCCATCTTAC | 207 |
| QY | 3816 | TCACCTTAGAGTCAGGAG-TTCGAAACCAAGCTGGCTTAAACGAAGAACCCTGCTTAC | 3874 |
| Db | 208 | TAAATAATA-AAATAATAGCTGGGTGGGGTGGCTCACACCTGTATCCAGACATTGGG | 266 |
| QY | 3875 | TAAATAATCAAAAAATTAGCTGGGACGGTGGCTGTGGCTGTATCCAGACATTGGG | 3933 |
| Db | 267 | AGCGTGAACGGGTGGATCATCTGAAGTCAGAGATTCAAGGCCAGCCTGGGCAACATGCT | 326 |
| QY | 3935 | AGCGAGAGGTGGGACAGTCACTTAGAGTCAAGAGATTGAGACCAAGCTTACCAATGCT | 3994 |
| Db | 327 | GAAACCAACGCTCTACATTAATAATCAAAAATTACCAAGGTGTGGTGGCAACAGCCTGGAG | 386 |
| QY | 3995 | GAAACCCCATCTTACATTAATAATCAAAAATTACCCGGAGATGTGTGGACATGCTCTGTAA | 405 |
| Db | | | |

US-08-520-373D-4

| | | | | |
|-----------------------|-----------------|--------------------|-----------|---------------|
| Query Match | 27.8%; | Score 277.8; | DB 4; | Length 14581; |
| Best Local Similarity | 82.3%; | Pred. No. 5.9e-54; | | |
| Matches 354; | Conservative 0; | Mismatches 73; | Indels 3; | Gaps 3; |

| | | | |
|----|------|--|------|
| QY | 88 | GGCTTAGGCGCGGTGGCTCAGCGCTGTATATCCAGACATTTAGAAGAGTGGAGGGGTGA | 147 |
| Db | 3755 | GGCGGGGACGCGTGGCTCAGCGCTGTATATCCAGACATTTAGAAGAGTGGAGGGCGAGCA | 3814 |
| QY | 148 | TCACCTTAGGTCAGAGATTGTTGAGACCAAGCTCTGGCAACGCGTGAATCCCATCTTAC | 207 |
| Db | 3815 | TCACCTTAGGTCAGAGATTGTTGAGACCAAGCTCTGGCAACGCGTGAATCCCATCTTAC | 3872 |
| QY | 208 | TAAATAAT-AAAAATTAGCTGGGCGCGGTGGCTCAGCTGTATATCCAGACATTGGG | 266 |
| Db | 3874 | TAAATAATCAAAAATAATTAGCTGGGCGCGGTGGCTGTGTCTGTATATCCAGACATTGGG | 3933 |
| QY | 267 | AGCGTGAGACGGGTGGATTCACCTGAGTCAGAGATTCAAGCGCAAGCTGGCAACATGGT | 326 |
| Db | 3934 | AGCGAGAGGTGGGCGAGATTCACCTGAGTCAGAGATTCAAGCAAGCTGGCAACATGGT | 3992 |
| QY | 327 | GAACACACGTCTTACTTAAAAATCAAAAATTAGCCAGGTGTGTGGCAACAGCTGTAG | 386 |
| Db | 3994 | GAACACCCCATCTTACTTAAAAATCAAAAATTAGCCAGGTGTGTGGCAACAGCTGTAG | 4053 |
| QY | 387 | TCCGAGCTACTTGGGAGGCTGAGCGGAGGAATCGCTTGAACCCAGTAGGCGAGAGTTGC | 446 |
| Db | 4054 | TCCGAGCCAGTCAGAGAGGCTGAGCGGAGGAATCACTGGAATCTTGGAGGTGGAGGTGGC | 4113 |
| QY | 447 | AGTAGCGGAGTAAAGAGTCACTGCATTCACGCTTGGGTGACAGAGCAAACTCCCTTC | 506 |
| Db | 4114 | AGTAGCGCGAGAT-GGTACTCTGTAACTCCAGCTGGGGGACAGAGTGAGACTCCGTCTC | 4172 |
| QY | 507 | AGAAATAAA 516 | |
| Db | 4173 | AAAAAAAAAA 4182 | |

RESULT 11

US-08-367-841A-43

Sequence 43, Application US/0836/841A
Patent No. 6319687
GENERAL INFORMATION:
APPLICANT: Chader, Gerald J.; Rodriguez,
APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
APPLICANT: Tombram-Tink, Joyce
TITLE OF INVENTION: PIGMENT EPIRHELIUM
TITLE OF INVENTION: DRIVED FACTOR: CHARACTERIZATION GENOMIC
NUMBER OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PDF GENOME
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan
STREET: 345 Park Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/367,841A
FILING DATE: 30-DEC-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/257,963
FILING DATE: 07-JUN-1994
PRIOR APPLICATION NUMBER: 07/952,796
FILING DATE: 24-SEP-1992

ATTORNEY/AGENT INFORMATION:

NAME: DOROTHY R. AULTH
REGISTRATION NUMBER:

REFERENCE/DOCKET NUMBER: 208737

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 758-4800

TELEFAX: (212) 751-6849

SEQUENCE CHARACTERISTICS: 43:

LENGTH: 22481 Base Pairs

TYPE: Nucleic Acid

STRANDEDNESS: Double

TOPOLOGY: Unknown

FEATURE: GENOMIC DNA

NAME/KEY: P1-147

LOCATION: _____

IDENTIFICATION METHOD: 4011 10

| | |
|--------------------|-------------|
| OTHER INFORMATION: | Sequence |
| OTHER INFORMATION: | Full length |

8-367-841A-43

| | |
|-------------|--------|
| every match | 27.8%; |
|-------------|--------|

Local Similarity 82.3%;

CONDUCT VALVE

| | | | | |
|-----------------------|----------------|-------------------|----------|--------------|
| Query Match | 27.8% | Score 277.8 | DB 4 | Length 22481 |
| Best Local Similarity | 82.3% | Pred. No. 6.4e-54 | | |
| Matches 354 | Conservative 0 | Mismatches 73 | Indels 3 | Gaps 3 |

| | | | |
|----|------|--|------|
| QY | 88 | GCGTAGCGCGGGTGGCTCAGCGCCGTGATCCGACACTTTAGAGGTCGAGAGGGGTGA | 147 |
| Db | 3748 | GGCGGGGCAGGTGGCTCAGCGCTGTAGTCCAGCACTTTGGAGGCGGAGGCA | 3805 |
| QY | 148 | TCACCTTAGAGTCAGAGATTTTGAACAACGCTGGCCAAACAGGTGMAAACCCTATCTTAC | 207 |
| Db | 3808 | TCACCTTAGAGTCAGAG-TTGAGAACAGCGCTGGCTTAACAGATGAACCCCGTCTTAC | 3866 |
| QY | 208 | TAAATAATA-AAATAATAGCTGAGGTGGCGGTGCCTCACAACCTGTATCCAGCACTTTGGG | 266 |
| Db | 3867 | TAAATAATCAAAAAATTAGCTGGGCACGGTGGCTGTGGCTGTATCCACAGCACTTTGGG | 3922 |
| QY | 267 | AGGCTGAGACGGGTGATCACTCTGAATCAGAGATTCAAGGCCAGCCTTGGCAACATGTT | 326 |
| Db | 3927 | AGGCAAGAGTGGGCGAGATCACTTGAAGTCAGAGATTGAGACCAAGCCTTACCAATGTT | 3986 |
| QY | 327 | GAATCCAGCTCTCTACTTAAAAATCAAAAATTAGCCAGGTGTGGTGGCAACGCTGTAG | 386 |
| Db | 3987 | GAATCCCACTCTCTACTTAAAACTTCAAAAATTAGCCGGAGTGTGGTGGCACTGTCTTAA | 4046 |
| QY | 387 | TCCAGGCTACTTGGGAGGCTGAGGGCGGAGAAATGCTTGAACCCAGTAGAGCAGAGTTGC | 446 |
| Db | 4047 | TCCAGGCACTCAGAGAGGCTGAGGCCAGAGAAATCACTTGAAATCCTGAGAGGTGGAGTGGC | 4106 |
| QY | 447 | AGTAGGCGAGATPAAGATCACTGCACTCCAGCCTTGGGTGACAGAGCAAGACTCCCTTC | 506 |
| Db | 4107 | AGTAGGCGGAGAT-GGTACCTGTGTACTCCAGCCTTGGGGGACAGAGTAGAGACTCCGCTTC | 4165 |
| QY | 507 | AGAAATPAA 516 | |
| Db | 4166 | AAAAAAAAA 4175 | |

RESULT 12

PCT-US95-07201-43

GENERAL INFORMATION:
sequence 43, Application FC/105350/201

APPLICANT: Chader, Gerald J.; Becerra, Sofia

APPLICANT: Patricia; Schwartz, Joan P.;

APPLICANT: Taniwaki, Takayuki

| TITLE OF INVENTION: | DERIVED FACTOR: | CHARACTER: |
|---------------------------------------|-----------------|------------|
| TITLE OF INVENTION: PIGMENT EPIHELLOM | | |

[illegible]

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSEE: Morgan & Finnegan, L.L.P.
STREET: 345 Park Avenue

375 FAIR AVENUE
SINCEY !

```

? CITY: New York
? STATE: New York
? COUNTRY: USA
? ZIP: 10154
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy Disk
? COMPUTER: IBM PC Compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: WORDPERFECT 5.1
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: PCT/US95/07201
? FILING DATE: 06-JUN-1995
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/367,841
? FILING DATE: 30-DEC-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/257,963
? FILING DATE: 07-JUN-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 07/952,796
? FILING DATE: 24-SEP-1992
? ATTORNEY/AGENT INFORMATION:
? NAME: DOROTHY R. AUTH
? REGISTRATION NUMBER: 36434
? REFERENCE/DOCKET NUMBER: 20264126PCT
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (212) 758-4800
? TELEFAX: (212) 751-6849
? INFORMATION FOR SEQ ID NO: 43:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 22481 Base Pairs
? TYPE: Nucleic Acid
? STRANDEDNESS: Double
? TOPOLOGY: Unknown
? MOLECULE TYPE: Genomic DNA
? FEATURE:
? NAME/KEY: Pl-147
? LOCATION:
? IDENTIFICATION METHOD:
? OTHER INFORMATION: full length genomic
? OTHER INFORMATION: sequence for PEDF plus flanking sequences.
PCT-US95-07201-43

Query Match      27.8%; Score 277.8; DB 5; Length 22481;
Best Local Similarity 82.3%; Pred. No. 6.4e-54;
Matches 354; Conservative 0; Mismatches 73; Indels 3; Gaps 3;

? 88 GGCTAGCGCGGTGCTCAGCCTGTATCCAGCACTTTAGAGGTGGAAGAGGTGA 147
? 3748 GGC CGG GCA CGG GGT CAC GCT GTAGTCCAGCACTTTGGAGGCGGAGGAGCA 3807
? 148 TCACCTTGAGGTGAGAGTTTGAAGCCAGCCTGGCCAAACGGTGAACCCCATCTTAC 207
? 3808 TCACCTTGAGGTGAGAG- TTGAGAGCCAGCCTGGCTAAACGATGAACCCCGCTCTAC 3866
? 208 TAAATAA-TA-AAAATTAGCTNNGGTTGGGTGCTCAACCTGTATCCAGCACTTTGGG 266
? 3867 TAAATAATACAAAATAATTAGCTGGGACAGGTGCTCGCTGTATCCAGCACTTTGGG 3926
? 267 AGGCTAGAGCGGTGATCACTGAAGTCAAGAGTTCAAGGCCAGCTGGGCAACATGAT 326
? 3927 AGGCAAGGTGGGACAGATCACTTGAGGTCAAGAGTTGAGCCAGCTTAAGCAACATGAT 3986
? 327 GAAACACGCTCTTACTTAAATAATCAAAAATTAGCCAGGTGTGTGGCAACGCTTTAG 386
? 3987 GAAACCCCATCTCTACTTAAATACTAATAAAATTAGCCGAGGTGTGGCAAGTGTGTA 4046
? 387 TCCAGGCTACTTGGAGGCTGAGGCGGAGGAATGCTTGAACCCAGTAGGCAAGGTTGC 446
? 4047 TCCAGGCACTCAGAGGCTGAGGCGAGGAATATCTGGAATCTTGAAGGTGGAGTGGC 4106
? 447 AGTAGCCGAGATAGAGTCACTGCACTCCAGCCTGGGTGACAGAGCAAGATCTCCCTC 506

```

```

? 4107 AGTAGCCGAGAT-GGTACTCTGTACTCCAGCCTGGGAGAGAGTGAAGTCCGCTC 4165
? 507 AGAATAATAA 516
? 4166 AAAAAAAAAA 4175
? 4166 AAAAAAAAAA 4175

RESULT 13
US-09-875-223-2
? Sequence 2, Application US/09875223
? Patent No. 6391850
? GENERAL INFORMATION:
? APPLICANT: No. 6391850thwestern University
? APPLICANT: No. 63918501 Bouck
? APPLICANT: David Dawson
? APPLICANT: Paul Gillis
? TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
? FILE REFERENCE: 0290-2303
? CURRENT APPLICATION NUMBER: US/09/875,223
? CURRENT FILING DATE: 2001-06-06
? PRIOR APPLICATION NUMBER: US 09/122,079
? PRIOR FILING DATE: 1998-07-23
? PRIOR APPLICATION NUMBER: PCT/US98/15228
? PRIOR FILING DATE: 1998-07-23
? PRIOR APPLICATION NUMBER: US 08/899,304
? PRIOR FILING DATE: 1997-07-23
? NUMBER OF SEQ ID NOS: 2
? SOFTWARE: PatentIn Ver. 2.1
? SEQ ID NO 2
? LENGTH: 22484
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: Unsure
? LOCATION: 1...22484
? OTHER INFORMATION: "n" means either a, c, t, or g
US-09-875-223-2

Query Match      27.8%; Score 277.8; DB 4; Length 22484;
Best Local Similarity 82.3%; Pred. No. 6.4e-54;
Matches 354; Conservative 0; Mismatches 73; Indels 3; Gaps 3;

? 88 GGCTAGCGCGGTGCTCAGCCTGTATCCAGCACTTTAGAGGTGGAAGAGGTGA 147
? 3748 GGC CGG GCA CGG GGT CAC GCT GTAGTCCAGCACTTTGGAGGCGGAGGAGCA 3807
? 148 TCACCTTGAGGTGAGAGTTTGAAGCCAGCCTGGCCAAACGGTGAACCCCATCTTAC 207
? 3808 TCACCTTGAGGTGAGAG- TTGAGAGCCAGCCTGGCTAAACGATGAACCCCGCTCTAC 3866
? 208 TAAATAA-TA-AAAATTAGCTNNGGTTGGGTGCTCAACCTGTATCCAGCACTTTGGG 266
? 3867 TAAATAATACAAAATAATTAGCTGGGACAGGTGCTCGCTGTATCCAGCACTTTGGG 3926
? 267 AGGCTAGAGCGGTGATCACTGAAGTCAAGAGTTCAAGGCCAGCTGGGCAACATGAT 326
? 3927 AGGCAAGGTGGGACAGATCACTTGAGGTCAAGAGTTGAGCCAGCTTAAGCAACATGAT 3986
? 327 GAAACACGCTCTTACTTAAATAATCAAAAATTAGCCAGGTGTGTGGCAACGCTTTAG 386
? 3987 GAAACCCCATCTCTACTTAAATACTAATAAAATTAGCCGAGGTGTGGCAAGTGTGTA 4046
? 387 TCCAGGCTACTTGGAGGCTGAGGCGGAGGAATGCTTGAACCCAGTAGGCAAGGTTGC 446
? 4047 TCCAGGCACTCAGAGGCTGAGGCGAGGAATATCTGGAATCTTGAAGGTGGAGTGGC 4106
? 447 AGTAGCCGAGATAGAGTCACTGCACTCCAGCCTGGGTGACAGAGCAAGATCTCCCTC 506
? 4107 AGTAGCCGAGAT-GGTACTCTGTACTCCAGCCTGGGAGAGAGTGAAGTCCGCTC 4165
? 507 AGAATAATAA 516

```

```

Db          4166 AAAAAAAAAA 4175

RESULT 14
US-09-741-150-3
Sequence 3, Application US/09741150
Patent No. 6436689
GENERAL INFORMATION:
APPLICANT: GUEGLER, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: C1000968
CURRENT APPLICATION NUMBER: US/09/741,150
CURRENT FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 112132
TYPE: DNA
ORGANISM: Human
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(112132)
OTHER INFORMATION: n = A,T,C or G
US-09-741-150-3

```


LENGTH: 1000 bp
 TYPE: Nucleic Acid
 STRANDEDNESS: Double
 TOPOLOGY: Circular
 MOLECULE TYPE: Genomic DNA
 HYPOTHETICAL: no
 IMMEDIATE SOURCE:
 CLONE: S132
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: 22
 SEQUENCE DESCRIPTION: SEQ ID NO: 32
 US-09-784-423-32

Query Match 99.9%; Score 999; DB 9; Length 1000;
 Best Local Similarity 100.0%; Pred. No. 7.1e-241;
 Matches 1000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGTACCTTATCTCTCTGAACCTCACTTCTCATCCGTAAATGAAAGCTGCTAG 60
 DB 1 GGTGTACCTTATCTCTCTGAACCTCACTTCTCATCCGTAAATGAAAGCTGCTAG 60
 QY 61 ATTGTTTAAAAAATTAAATGATAGGCTAGGCGGGTGGCTCAGGCTGTAAATCCA 120
 DB 61 ATTGTTTAAAAAATTAAATGATAGGCTAGGCGGGTGGCTCAGGCTGTAAATCCA 120
 QY 121 GCACTTTAGAAAGTGAAGAGGGTGTGATCACTTGAAGTCAAGAGTTTGAACAGCAGCTG 180
 DB 121 GCACTTTAGAAAGTGAAGAGGGTGTGATCACTTGAAGTCAAGAGTTTGAACAGCAGCTG 180
 QY 181 GCCAACACGGTGAAACCCCATCTCTAAATAAATAAATTAGCTNGGGTGGCTGCT 240
 DB 181 GCCAACACGGTGAAACCCCATCTCTAAATAAATAAATTAGCTNGGGTGGCTGCT 240
 QY 241 CACACCTGTATCCACGACTTTGGAGGCTGAGACGGGTGGATCACCTGAAGTCAAGAG 300
 DB 241 CACACCTGTATCCACGACTTTGGAGGCTGAGACGGGTGGATCACCTGAAGTCAAGAG 300
 QY 301 TTCAAGGCGACGCTGGGCAACATGTGTAAACCACTCTCTAATAAATAAATAAATTAG 360
 DB 301 TTCAAGGCGACGCTGGGCAACATGTGTAAACCACTCTCTAATAAATAAATAAATTAG 360
 QY 361 CCAAGTGTGTGTGACACGCTGTATGTCACAGCTACTTGGAGGCTGAGCGGAAAGATC 420
 DB 361 CCAAGTGTGTGTGACACGCTGTATGTCACAGCTACTTGGAGGCTGAGCGGAAAGATC 420
 QY 421 GCTTGAACCCAGTAGGAGGTTGAGTGAAGCCGAGTAAGATCACTGCACTCCAGCC 480
 DB 421 GCTTGAACCCAGTAGGAGGTTGAGTGAAGCCGAGTAAGATCACTGCACTCCAGCC 480
 QY 481 TGGGTGACAGAGCAAGACTCCCTCTCAGAAATTAATAAATAAATAAATAAATAA 540
 DB 481 TGGGTGACAGAGCAAGACTCCCTCTCAGAAATTAATAAATAAATAAATAAATAA 540
 QY 541 AATTAATAAATAAATAAATTCTTAAGAGGCTGGCACTTTGCTAGCACTTAATGCCAATA 600
 DB 541 AATTAATAAATAAATAAATTCTTAAGAGGCTGGCACTTTGCTAGCACTTAATGCCAATA 600
 QY 601 AGTAATATGATCAATATCCCAACCTTACCACTGCTGTAATTTGTTTGTG 660
 DB 601 AGTAATATGATCAATATCCCAACCTTACCACTGCTGTAATTTGTTTGTG 660
 QY 661 ACCCCCATTTAGACTTAAGGAGCAATTTCTACCGTACTCTCTGTAAATTTCTGTTTCT 720
 DB 661 ACCCCCATTTAGACTTAAGGAGCAATTTCTACCGTACTCTCTGTAAATTTCTGTTTCT 720
 QY 721 GGCACATAGTTGGTCTCAGTGAACAATGAGTGAATGACAAATGCAAGAAATTC 780
 DB 721 GGCACATAGTTGGTCTCAGTGAACAATGAGTGAATGACAAATGCAAGAAATTC 780
 QY 781 AGGCAATCTGGAGGAGCCCTCCAGGCGGGTGAAGTTCCGGAATCTATGCTGTCTCAAT 840
 DB 781 AGGCAATCTGGAGGAGCCCTCCAGGCGGGTGAAGTTCCGGAATCTATGCTGTCTCAAT 840

QY 841 GGCCCACTGAAGATGAGAGTTCTGGGTCCACCTTCCGACCCCATCTCTGACTCAC 900
 DB 841 GGCCCACTGAAGATGAGAGTTCTGGGTCCACCTTCCGACCCCATCTCTGACTCAC 900
 QY 901 TGCCTGAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 960
 DB 901 TGCCTGAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 960
 QY 961 CAGGACTGCAAGAGCCGACAGCAAGATGATGACCGGCTGC 1000
 DB 961 CAGGACTGCAAGAGCCGACAGCAAGATGATGACCGGCTGC 1000

RESULT 2

US-09-764-877-3773/c
 Sequence 3773, Application US/09764877
 Patent No. US20020147140X1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC005

CURRENT FILING DATE: 2001-01-17

Prior application data removed - refer to PALM or file wrapper

NUMBER OF SEQ ID NOS: 4031

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 3773

LENGTH: 7017

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-877-3773

Query Match 32.0%; Score 320.2; DB 10; Length 7017;
 Best Local Similarity 84.6%; Pred. No. 5.2e-70;
 Matches 406; Conservative 0; Mismatches 69; Indels 5; Gaps 4;

QY 86 TAGGCTAGGCGCGGTGCTCAGCTGTAATCCAGCACTTAAATCCAGCACTTTGG 145
 DB 4509 TGGGCGAGACGCGGTGCTCAGCTGTAATCCAGCACTTAAATCCAGCACTTTGG 145
 QY 146 GATCAGCTGAGTCAAGAGTTTGAACAGCCTGGCAACAGGTAAGCCCATCTCT 205
 DB 4449 GATCAGCTGAGTCAAGAGTTTGAACAGCCTGGCAACAGGTAAGCCCATCTCT 205
 QY 206 ACTAAATTAATAAATAAATTAGCTNGGGTGGCTGCTCACTGTAAATCCAGCACTTTGG 265
 DB 4390 ACTAAATTAATAAATAAATTAGCTNGGGTGGCTGCTCACTGTAAATCCAGCACTTTGG 265
 QY 266 GAGGCTGAGACGCGGTGATCACTGTAAGTCAAGAGTTCAAGGCTGGGCAACATGG 325
 DB 4330 GAGGCTGAGACGCGGTGATCACTGTAAGTCAAGAGTTCAAGGCTGGGCAACATGG 325
 QY 326 TGAACACAGCTCTCTAATAAATAAATAAATTAGCAGGTGAGTGAACAGCCTGTA 385
 DB 4272 TGAACACAGCTCTCTAATAAATAAATAAATTAGCAGGTGAGTGAACAGCCTGTA 385
 QY 386 GTCCAGCTACTTGGAGGCTGAGGCGAAGATCGCTTGAACCCAGTGAAGGAGTTG 445
 DB 4212 GTCCAGCTACTTGGAGGCTGAGGCGAAGATCGCTTGAACCCAGTGAAGGAGTTG 445
 QY 446 CAGTGAACCGAGTAAGATCACTGCACTCCAGCTGGGTGACAGCAAGTCCCTCT 505
 DB 4152 CAGTGAACCGAGTGAACCGAGTGAACCGAGTGAACCGAGTGAACCGAGTGAAC 505
 QY 506 CAGAAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 565
 DB 4093 CAGAAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 565

RESULT 3

US-09-764-877-3774/c
 Sequence 3774, Application US/09764877
 Patent No. US20020147140X1

```

; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; PRIOR APPLICATION DATE: 2001-01-17
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 3774
; LENGTH: 20522
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-877-3774

```

```

Query Match      32.0%; Score 320.2; DB 10; Length 20522;
Best Local Similarity 84.6%; Pred. No. 8,4e-70;
Matches 406; Conservative 0; Mismatches 69; Indels 5; Gaps 4;

```

```

QY 86 TAGGCTAGGCGCGGTGCTCAGCGCTGTATCCAGACCTTTAGAGGTGAGAGGGTG 145
DB 10327 TGGGCCAGAGCGGTGGCTCAGACCTGTTATCCAGACCTTTGAGGCGGAGTG 10268
QY 146 GATCACTTGAGGTGAGAGGTTTGAAGCCAGCTGGCCAAACGGTGAACCCATCTCT 205
DB 10267 GATCACTTGAGGCAAGAG-TTCGAGACCAAGCTGGCCAAACGTGTGAACCTGCTCT 10209
QY 206 ACTAAAAATTAATTAAGTGTGGGTGGGTGCTCAACCTGTATCCAGACCTTTG 265
DB 10208 ACTAAAAATTAATTAAGTGTGGGTGGGTGCTCAACCTGTATCCAGACCTTTG 10149
QY 266 GAGGCTGAGAGCGGTGATCACTGAAAGTCAAGGCAAGCTGGGCAAGATG 325
DB 10148 GAGGCGCAAGCGGCGAGATCA--TGAGGTCAAGAGTGAAGACATCTGTGCAATG 10091
QY 326 TGAACCAAGCTCTCTAATAAATAAATAAATTAGCCAGGTGTGTGGCACAGCTGTG 385
DB 10090 TGAACCCGCTCTCTAATAAATAAATAAATTAGCCAGGTGTGTGGCACAGCTGTG 10031
QY 386 GTCCCGACTACTTGGAGGCTGAGGGGGAAGATGCTTGAACCCAGTGGGAGAGTTG 445
DB 10030 GTCCCGACTACTGAGAGGCTGAGGGGGAAGATGCTTGAACCCAGGAGGCGAGTTG 9971
QY 446 CAGTGAGCGAGATAAGAGTCACTGCACTCAGCTGGGTGAGAGCAAGACTCCCTCT 505
DB 9970 CAGTGAGCGAGATCA-CGACACTGCACTCAGCTGGGCAAGAGCGAGATCCGCTCT 9912
QY 506 CAGAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 565
DB 9911 CA-AATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 9853

```

```

RESULT 4
US-10-017-161-1603/C
; Sequence 1603, Application US/10017161
; Publication No. US2003014368A1

```

```

; GENERAL INFORMATION:
; APPLICANT: SUMA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 1603
; LENGTH: 17588
; TYPE: DNA
; ORGANISM: Homo sapiens

```

```

; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(17588)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(386)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (660)..(873)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (12637)..(3270)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3360)..(3460)
; NAME/KEY: CDS
; LOCATION: (12023)..(13329)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (17307)..(17388)
; NAME/KEY: modified base
; LOCATION: (6225)..(6324)
; OTHER INFORMATION: a, t, c, g, unknown or other
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (12380)..(12479)
; OTHER INFORMATION: a, t, c, g, unknown or other
; US-10-017-161-1603

```

```

Query Match      31.2%; Score 311.8; DB 12; Length 17588;
Best Local Similarity 80.6%; Pred. No. 1e-67;
Matches 400; Conservative 0; Mismatches 93; Indels 3; Gaps 3;

```

```

QY 61 ATTGTTTAAAAAATAAATGAATAGGCTAGGCGGCTGCTCAGCGCTGTATCCCA 120
DB 15288 ATTGATTAATTAATTAATGCTCTCTGTAGGCGGCGGCTGCTCATCTGTATCCCA 15229
QY 121 GCACTTTAAGGTGAAGAGGTGATGATCTGAGGTGAGAGTTTGAACCGGCTG 180
DB 15228 GCACTTTGAGAGCGCAAGGTGAGTATCTTGAAGCGCAAGAG-TTTAAGACCAAGCTG 15170
QY 181 GCCAACACCGGTAAACCCCATCTCTAATAAATAAATAAATTAGCTGGGTGCGT 240
DB 15169 GCCAATATGCAAAACTCTGTCTAATAAATAAATAAATAAATTAGCTGGGTGCGT 15110
QY 241 CACACCTGTATCCAGCACTTTGGAGGCTGAGAGCGGTGATCACTGAAGTCAGAG 300
DB 15109 CACACCTGTATCCCAACTTTGGAGGCGGAGCGGCGGATTACTGAGGTGAGAG 15050
QY 301 TTCAAGCGCAGCGCTGGGCAACATGAGAAACCAAGCTCTAATAAATAAATAAATTG 360
DB 15049 TTCAAGCAAGCTGGGCAATATGAGAAACCCCATCTCTAATAAATAAATAAATTG 14990
QY 361 CCAGGTGTGGTGAACAGCGCTGTAGTCCAGCTACTTGGAGGCTGAGCGGAGAAATC 420
DB 14989 CCGGTGTGTGGTGAACAGCGCTGTAGTCCAGCTACTTGGAGGCTGAGCGGAGAAATC 14930
QY 421 GCTTGAACCCAGTAGGAGAGGTGAGTGAAGCCGAGATGAAGTCACTGCACTCAGGC 480
DB 14929 ACTTGAACCCAGTAGGAGAGGTGAGTGAAGCCGAGAT-CTGCGCACTGCACTCAGGC 14871
QY 481 TGGGTGACAGACCAAGCTCCCTCTCAAGAAATAAATAAATAAATAAATAAATAA 540
DB 14870 T-GGCAACAGACCAAGCTCTCTCAAAATAAATAAATAAATAAATAAATAAATAA 14812
QY 541 AATAAAAATAAATAAATAA 556
DB 14811 AATAAAAATAAATAAATAA 14796

```

```

RESULT 5

```

| | | | | |
|-----------------------|--------------|--------------------|----------------|----------------|
| Query Match | 30.7%; | Score 307; | DB 10; | Length 174424; |
| Best Local Similarity | 83.1%; | Pred. No. 4.6e-66; | | |
| Matches 409; | Conservative | 0; | Mismatches 76; | Indels 7; |
| | | | | Gaps 5 |

QY 551 AATAAATTTCTA 562
|||
Db 131690 AACAAAAATTA 131679

```

; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasia
; TITLE OF INVENTION: Gene Expression Profiles

```

| | | | | |
|-----------------------|-----------------|--------------------|-----------|----------------|
| Query Match | 30.7%; | Score 307; | DB 12; | Length 174424; |
| Best Local Similarity | 83.1%; | Pred. No. 4.6e-66; | | |
| Matches 409; | Conservative 0; | Mismatches 76; | Indels 7; | Gaps 5 |

QY 551 AATAAAATCTA 562
|||
Db 131690 AACAAAAAATTA 131679

;; PRIOR FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 96

```

/ SEQ ID NO 16
/ LENGTH: 113000
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/   NAME/KEY: exon:intron junction
/   LOCATION: (465)...(466)
/   OTHER INFORMATION: exon 1A:intron 1A
/   FEATURE:
/     NAME/KEY: intron
/     LOCATION: (466)...(1642)
/     OTHER INFORMATION: intron 1A
/     FEATURE:
/       NAME/KEY: intron:exon junction
/       LOCATION: (1642)...(1643)
/       OTHER INFORMATION: intron 1A:exon 2
/       FEATURE:
/         NAME/KEY: intron
/         LOCATION: (7788)...(34703)
/         OTHER INFORMATION: intron 4
/         FEATURE:
/           NAME/KEY: intron
/           LOCATION: (44331)...(55287)
/           OTHER INFORMATION: intron 1B
/           FEATURE:
/             NAME/KEY: intron:exon junction
/             LOCATION: (55287)...(55288)
/             OTHER INFORMATION: intron 1B:exon 9
/             FEATURE:
/               NAME/KEY: intron:exon junction
/               LOCATION: (58209)...(58210)
/               OTHER INFORMATION: intron 9:exon 10
/               FEATURE:
/                 NAME/KEY: exon:intron junction
/                 LOCATION: (81137)...(81138)
/                 OTHER INFORMATION: exon 13:intron 13
/                 FEATURE:
/                   NAME/KEY: intron
/                   LOCATION: (81138)...(88683)
/                   OTHER INFORMATION: intron 13
/                   FEATURE:
/                     NAME/KEY: intron
/                     LOCATION: (88818)...(103212)
/                     OTHER INFORMATION: intron 14
/                     FEATURE:
/                       NAME/KEY: exon:intron junction
/                       LOCATION: (105293)...(105294)
/                       OTHER INFORMATION: exon 16:intron 16B
/                       FEATURE:
/                         NAME/KEY: intron:exon junction
/                         LOCATION: (110433)...(110434)
/                         OTHER INFORMATION: intron 16B:exon 17B
/                         FEATURE:
/                           NAME/KEY: exon
/                           LOCATION: (110434)...(111661)
/                           OTHER INFORMATION: exon 17B
/                           US-10-376-566-16
/
Query Match          30.4%; Score 304.2; DB 12; Length 113000;
Best Local Similarity 81.2%; Pred. No. 1.9e-65;
Matches 377; Conservative 0; Mismatches 84; Indels 3; Gaps 2;
/
QY 71 AAAAAATTAATGGAATAGCTAGGCGGCGGTGCTCAGCGCTGTAAATCCGACCTTTAGA 130
Db 11101 AAAAAATATATATATATAGTTGGCCAGGCAAGTGCMAAGCGCTGTAAATCCGACCTTTGGG 1104242
QY 131 AGGTGGAAGAGGGGTGATCATCTTGAGGTCAAGAGTTTGAAGACAGCCTGGCCACACGG 190
Db 11041 AGGCTGAGGAGGAGTGAATCACTGAGGCTCAGGA-ATTGAGAGCAAGGCTGGCCAAATG 109832
QY 191 TGAAGACCCCATCTCTACTATAAAAAATTAATAATTAAGTCGTGGGTGGGTGGCTCACAAGCTGTA 250
Db 10982 TGAAGACCCCATCTCTCTACTATAAAAAATTAATAATTAAGGTCAGGCAAGTGGCTCAGGCTGTTC 1092232

```

| | | | |
|----|-------|--|--------|
| OY | 251 | ATCCAGCAGCATTTGGGAGCGTGAAGCGGTGATCACTGAAGTCAGAGATTCAAGGCCA | 310 |
| Db | 10922 | ATCCACAGCATTTTGGGAGGCGAAAGTGCGCAATCACTGATGTCAAGAGTTTCGAGATCA | 108653 |
| OY | 311 | GCCCTGGGCACAATGCTGTAACCAACGCTCTACTAAAAATACAAAATTTAGCCAAGGTGTGG | 370 |
| Db | 10862 | GCCCTGGGCACAATGCTGTAACCAACGCTCTACTAAAAATACAAAATTTAGCCAGGGTGTGG | 108030 |
| OY | 371 | TGGCACACGCGCTGTAGTCCAGCTAATTGGGAGGCTGAGGCGGAAAGATCGCTTGAAACC | 430 |
| Db | 10802 | TGAACGGCTCTCTGTATATCCAGCTATCTGGGAGACTGAGGCGAGGAAATTGCTTGAAACC | 107433 |
| OY | 431 | AGTAGCAGAGGTTTGCACTGATGAGCCGAGATPAAGATCATCTGCATCTCCAGCTTGGGTGACG | 490 |
| Db | 10742 | AGGAGGGGAGGTTTGCACTGATGAGCCAGATA--ATGCCACACACTCCAGGCTTGGGCGACAG | 106855 |
| OY | 491 | AGCAGAATCTCCCTCTCAGAAAAATTAATAATTAATAATTAATAATA | 534 |
| Db | 10684 | AGCAGAATCTCCCTCTCAGAAAAATTAATAATTAATAATTAATAATTA | 106411 |

```

RESULT 8
US-10-017-161-1605/c
; Sequence 1605, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver..2.1
; SEQ ID NO 1605
; LENGTH: 27087
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(27087)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(498)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (834)..(923)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (7389)..(7511)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (10905)..(11021)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (13053)..(13140)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (19148)..(19452)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26643)..(26887)
;
US-10-017-161-1605

Query Match      30.3%; Score 303.4; DB 12; Length 27087;
Best Local Similarity 82.5%; Pred. No. 1.ee-65;
Matches 383; Conservative 0; Mismatches 77; Indels 4; Gaps 3;

```

QY 86 TAGGCTAGGCGCGGTGCTCAGCCTGTAAATCCAGCACTTTAGAGGTGAGAGGGTG 145
 Db 8635 TGGGCCAGGTGGCGGTGGCCACGCTGTAAATCCAGCACTTTGGAGAGGCGTAGAGGGCG 8576
 QY 146 GATCATTGAGGTGAGAGGTTTGAACACGCTGGCCACACGGTGAACCCCATCTCT 205
 Db 8575 GATCACCCTGAGGTGAGAG-ATTGAGACACGACCTGGCCACACAGTGAACCCCTGACCTCT 8517
 QY 206 ACTAAATAATAAATAATAGCTGGGTGGGTGGTGTCAACCTGTAAATCCAGCACTTTGG 265
 Db 8516 ACTAAATAATCAAAATTTGGCCAGGCGCATGGTGTCAACCTGTAAATCCAGCACTTTGG 8457
 QY 266 GAGGCTGAGACGGGTGATCACTGAAAGTCAAGATTCAAGCCAGCCTGGCCAAATGG 335
 Db 8456 GAGGCCGAGGACAGCAGATCA-TGAGGTGAGAGATTCAAGACCAGCCTGACCAATAG 8399
 QY 326 TGAACCAAGCTCTCTACTTAAATAATCAAAATTTAGCCAGGTGTGTGGCACAGCCTGTGA 385
 Db 8398 GGAACCCCGTCTCTACTTAAATAATGCAAAATTTAGCCGGGTGTGTGTGGCACCTGTGA 8339
 QY 386 GTCCCACTACTTGGAGGCTGAGGCGGAAGATCGCTTGAACCCAGTAAAGCAGAGGTTG 445
 Db 8338 GTCCCACTACTCTGAGAGGTTGAGGCGAGAAATCGCTTGAACCTGGAGAGGCGAGGTTG 8279
 QY 446 CAGTGAGCCGAGATAGAGTCACTGCACTCCAGCCTGGGTGACAGAGCAAGACTCCCTCT 505
 Db 8278 CAGTGAGCCGAAGAT-AGCTCACTGCACTCCAGCCTGGGTGACAGAGCAAGACTCTCT 8220
 QY 506 CAGAAATAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 549
 Db 8219 CAAATAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 8176

RESULT 9

US-09-967-768A-314
 ; Sequence 314, Application US/09967768A
 ; Patent No. US20020150877A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Augustus, Meena
 ; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
 ; FILE REFERENCE: 689290-72
 ; CURRENT APPLICATION NUMBER: US/09/967,768A
 ; CURRENT FILING DATE: 2001-09-28
 ; PRIOR APPLICATION NUMBER: US/60/236,109
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US/60/236,034
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US/60/236,111
 ; PRIOR FILING DATE: 2000-09-28
 ; NUMBER OF SEQ ID NOS: 325
 ; SOFTWARE: PatentIn version 3.0
 ; SEQ ID NO 314
 ; LENGTH: 174424
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-967-768A-314

Query Match 30.1%; Score 301.4; DB 10; Length 174424;
 Best Local Similarity 81.7%; Pred. No. 1.2e-64;
 Matches 397; Conservative 0; Mismatches 82; Indels 7; Gaps 4;
 QY 70 AAAAAATTAATGAATAGCTAGGCGCGGTGCTCAGCCTGTAAATCCAGCACTTTAG 129
 Db 69715 AAAAAATTAATGAATAGCTAGGCGCGGTGCTCAGCCTGTAAATCCAGCACTTTAG 69774
 QY 130 AAGGTGAGAGGAGGTGATCACTTGAAGTCAAGATTGAGACCAAGCTGGCCAAACAG 189
 Db 69775 AAGGTGAGAGGAGGTGATCACTTGAAGTCAAGATTGAGACCAAGCTGGCCAAACAG 69833
 QY 190 GTGAAACCCCATCTCTACTTAAATAATTAATTAATTAATTAATTAATTAATTAATTA 246
 Db 69834 GTGAAACCCCATCTCTACTTAAATAATTAATTAATTAATTAATTAATTAATTAATTA 69893

QY 247 TGTAAATCCAGCACTTTGGAGGCTGAGACGGGTGATCACTGAAGTCAAGAGTTCAAG 306
 Db 69894 TGTAAATCCAGCACTTTGGAGGCTGAGAGGCGAGGAGGATCACTGAAGTCAAGAGTTCAAG 69953
 QY 307 GCCAGCCTGGGCAACATGTGTAAACCAAGCTCTTACTTAAATAATCAAAATTTAGCCAGGT 366
 Db 69954 ACCAGCCTGGCAACATTTGTGAAACCTGTCTTACTTAAATAATCAAAATTTAGCCAGGC 70013
 QY 367 GTGTGGGACAGCCCTGTATGTCCAGTACTTGGAGGCTGAGGCGGAAGATCGCTTGA 426
 Db 70014 GTGTGGGCGGACCTGTATGTCCAGTACTTGAAGGCTGAGGCGGAAGATTTGCTTGA 70073
 QY 427 ACCAGTAAAGCAGAGGTTGAGTGAAGCCGAGATTAAGTCACTGCACTCCAGCCTGGTG 486
 Db 70074 ACCTGGAGGCAAGGTTGAGTGAAGCCGAGAT-TGCGGCACTGCACTTACCTGAGGCG 70132
 QY 487 ACAGCAAGACTCCCTCTCAGAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 546
 Db 70133 ACAGCAAGAGTCTGTCTCAGAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 70190
 QY 547 ATAAA 552
 Db 70191 TAAAA 70196

RESULT 10

US-09-960-706-969
 ; Sequence 969, Application US/09960706
 ; Publication No. US20030134280A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Munger, William E.
 ; TITLE OF INVENTION: Identifying Drugs for and Diagnosis of Benign Prostatic Hyperplasi
 ; FILE REFERENCE: 44921-5029-01US
 ; CURRENT APPLICATION NUMBER: US/09/960,706
 ; CURRENT FILING DATE: 2001-09-24
 ; PRIOR APPLICATION NUMBER: 60/223,323
 ; PRIOR FILING DATE: 2000-08-07
 ; PRIOR APPLICATION NUMBER: 09/873,319
 ; PRIOR FILING DATE: 2001-06-05
 ; NUMBER OF SEQ ID NOS: 1124
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 969
 ; LENGTH: 174424
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20030134280A1 US2112
 ; US-09-960-706-969

Query Match 30.1%; Score 301.4; DB 12; Length 174424;
 Best Local Similarity 81.7%; Pred. No. 1.2e-64;
 Matches 397; Conservative 0; Mismatches 82; Indels 7; Gaps 4;
 QY 70 AAAAAATTAATGAATAGCTAGGCGCGGTGCTCAGCCTGTAAATCCAGCACTTTAG 129
 Db 69715 AAAAAATTAATGAATAGCTAGGCGCGGTGCTCAGCCTGTAAATCCAGCACTTTAG 69774
 QY 130 AAGGTGAGAGGAGGTGATCACTTGAAGTCAAGATTGAGACCAAGCTGGCCAAACAG 189
 Db 69775 AAGGTGAGAGGAGGTGATCACTTGAAGTCAAGATTGAGACCAAGCTGGCCAAACAG 69833
 QY 190 GTGAAACCCCATCTCTACTTAAATAATTAATTAATTAATTAATTAATTAATTAATTAATTA 246
 Db 69834 GTGAAACCCCATCTCTACTTAAATAATTAATTAATTAATTAATTAATTAATTAATTAATTA 69893
 QY 247 TGTAAATCCAGCACTTTGGAGGCTGAGACGGGTGATCACTGAAGTCAAGAGTTCAAG 306
 Db 69894 TGTAAATCCAGCACTTTGGAGGCTGAGAGGCGAGGAGGATCACTGAAGTCAAGAGTTCAAG 69953
 QY 307 GCCAGCCTGGGCAACATGTGTAAACCAAGCTCTTACTTAAATAATTAATTAATTAATTAATTA 366

Db 69954 ACCAGCTGGACATATGTGTAACCTGTCTCTACTTAAATAACAAAATCAGCCAGGC 70013
Qy 367 GTGTGGACACGCTGTAGTCTCCAGCTACTTGGAGGCTGAGCGGAGAAATCGCTTGA 426
Db 70014 GTGTGGCGGGGCACTGTACTCCAGCTACTCAGAGGCTGAGAGGAGAAATTTGCTGA 70073
Qy 427 ACCAGTAGGCAAGGTTGAGAGGCGGAGATTAAGTCACTGCACTCCAGCTGGGTG 486
Db 70074 ACTGGAGGCGACAGGTTGAGAGGCGGAGAT-TGGGCGCACTGCACTTGGCTGGGCG 70132
Qy 487 ACAGAGCAAGTCCCTCTCAGAAAATTAATAATTAATAATTAATAATTAATA 546
Db 70133 ACAGAGAAAGTCTGTCTCAAAAATTAATTAATAATTAATAATTAATAAT 70190
Qy 547 ATAAAA 552
Db 70191 TAAAAA 70196

RESULT 11

US-09-729-094-3
Sequence 3, Application US/09729094
Patent No. US20020019028A1
GENERAL INFORMATION:
APPLICANT: CHATURVEDI, Kabir et al
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
FILE REFERENCE: CL000662
CURRENT APPLICATION NUMBER: US/09/729,094
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 32816
TYPE: DNA
ORGANISM: Human
US-09-729-094-3

Query Match

Best Local Similarity 30.1%; Score 300.6; DB 9; Length 32816;
Matches 376; Conservative 0; Mismatches 90; Indels 2; Gaps 2;

Qy 85 ATAGGCTAGGCGGGGCTGCTCAGCCTGTATCCAGCACTTTAGAAGTGAAGAGGT 144
Db 16124 ACAGGCGGGGCGGAGGCTCACTGTATCCCAACATTTTGAAGGCGAGGTGGG 16183
Qy 145 GATCACTTGAAGTCAAGATTTTGAACCAAGCTGGCCAAACGGTGAACCCATCTC 204
Db 16184 AGATCCCTGAGGCTCAGAG-TTTGTAACCAAGCTGGCCAAACATGTGAACCCCTCTC 16242
Qy 205 TACTAAAAATTAATAATTAAGCTGAGGCTGCTCAACCTGTATCCAGCACTTTG 264
Db 16243 TACTAAAAATTAATAATTAAGCTGAGGCTGCTGAGCCAGCTGAAATCCAGCACTTTG 16302
Qy 265 GAGGCTGAGACGGGTGATCACTGAAGTCAAGAGTTCAGAGCCAGCTGGCAACATG 324
Db 16303 GAGGCGCAAGAGGAGGAGTCCCTGAGTCAAGAGTCAAGAGCTGGCCAAACATG 16362
Qy 325 GTGAAAACCAAGTCTTCACTTAATAATTAATAATTAAGTGTGTGTCACAGCTGT 384
Db 16363 GTGAAAACCAAGTCTTCACTTAATAATTAATAATTAAGTGTGTGTCACAGCTGT 16422
Qy 385 AGTCCAGCTACTTGGAGGCTGAGGCGGAGAAATGGCTTGAACCAAGTGAAGAGGT 444
Db 16423 AACCCAGCTACTTGGAGGCTGAGGCGGAGAAATGGCTTGAACCAAGTGAAGAGGT 16482
Qy 445 GAGTAGGCGGAGATTAAGTCACTGCACTCCAGCTGGGTGACAGAGCAAGCTCCCTC 504
Db 16483 GAGTAGGCGGAGATTAAGTCACTGCACTCCAGCTGGGTGACAGAGCAAGCTCCCTC 16541
Qy 505 TCAGAAAAATTAATAATTAATAATTAATAATTAATAATTAATAATTAATA 552

Db 16542 TCAGAAAAATTAATAATTAATAATTAATAATTAATAATTAATAATTAATA 16589

RESULT 12

US-10-435-631-3
Sequence 3, Application US/10435631
Publication No. US20030186381A1
GENERAL INFORMATION:
APPLICANT: CHATURVEDI, Kabir et al
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
FILE REFERENCE: CL000662CON
CURRENT APPLICATION NUMBER: US/10/435,631
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 32816
TYPE: DNA
ORGANISM: Homo sapiens
US-10-435-631-3

Query Match 30.1%; Score 300.6; DB 12; Length 32816;
Best Local Similarity 80.3%; Pred. No. 8.7e-65;
Matches 376; Conservative 0; Mismatches 90; Indels 2; Gaps 2;

Qy 85 ATAGGCTAGGCGGGGCTGCTCAGCCTGTATCCAGCACTTTAGAAGTGAAGAGGT 144
Db 16124 ACAGGCGGGGCGGAGGCTCACTGTATCCCAACATTTTGAAGGCGAGGTGGG 16183
Qy 145 GATCACTTGAAGTCAAGATTTTGAACCAAGCTGGCCAAACGGTGAACCCATCTC 204
Db 16184 AGATCCCTGAGGCTCAGAG-TTTGTAACCAAGCTGGCCAAACATGTGAACCCCTCTC 16242
Qy 205 TACTAAAAATTAATAATTAAGCTGAGGCTGCTCAGCACTTTGAATCCAGCACTTTG 264
Db 16243 TACTAAAAATTAATAATTAAGCTGAGGCTGCTGAGCCAGCTGAAATCCAGCACTTTG 16302
Qy 265 GAGGCTGAGACGGGTGATCACTGAAGTCAAGAGTTCAGAGCCAGCTGGCAACATG 324
Db 16303 GAGGCGCAAGAGGAGGAGTCCCTGAGTCAAGAGTTCAGAGCCAGCTGGCCAAACATG 16362
Qy 325 GTGAAAACCAAGTCTTCACTTAATAATTAATAATTAAGTGTGTGTCACAGCTGT 384
Db 16363 GTGAAAACCAAGTCTTCACTTAATAATTAATAATTAAGTGTGTGTCACAGCTGT 16422
Qy 385 AGTCCAGCTACTTGGAGGCTGAGGCGGAGAAATGGCTTGAACCAAGTGAAGAGGT 444
Db 16423 AACCCAGCTACTTGGAGGCTGAGGCGGAGAAATGGCTTGAACCAAGTGAAGAGGT 16482
Qy 445 GAGTAGGCGGAGATTAAGTCACTGCACTCCAGCTGGGTGACAGAGCAAGCTCCCTC 504
Db 16483 GAGTAGGCGGAGATTAAGTCACTGCACTCCAGCTGGGTGACAGAGCAAGCTCCCTC 16541
Qy 505 TCAGAAAAATTAATAATTAATAATTAATAATTAATAATTAATAATTAATA 552
Db 16542 TCAGAAAAATTAATAATTAATAATTAATAATTAATAATTAATAATTAATA 16589

RESULT 13

US-09-843-377-11
Sequence 11, Application US/09843377
Publication No. US20030176371A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 2 EXPRESSION
FILE REFERENCE: RTS-0235
CURRENT APPLICATION NUMBER: US/09/843,377
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 11

```

1 LENGTH: 54000
2 TYPE: DNA
3 ORGANISM: Homo sapiens
4 FEATURE:
5     NAME/KEY: exon
6     LOCATION: (514)...(1420)
7     OTHER INFORMATION: Exon 1
8     NAME/KEY: intron
9     LOCATION: (1421)...(12692)
10    OTHER INFORMATION: Intron 1
11    NAME/KEY: exon
12    LOCATION: (12693)...(12825)
13    OTHER INFORMATION: Exon 2
14    NAME/KEY: intron
15    LOCATION: (12826)...(19284)
16    OTHER INFORMATION: Intron 2
17    NAME/KEY: exon
18    LOCATION: (19285)...(19490)
19    OTHER INFORMATION: Exon 3
20    NAME/KEY: intron
21    LOCATION: (19491)...(24688)
22    OTHER INFORMATION: Intron 3
23    NAME/KEY: exon
24    LOCATION: (24689)...(24837)
25    OTHER INFORMATION: Exon 4
26    NAME/KEY: intron
27    LOCATION: (24838)...(29981)
28    OTHER INFORMATION: Intron 4
29    NAME/KEY: exon
30    LOCATION: (29982)...(30141)
31    OTHER INFORMATION: Exon 5
32    NAME/KEY: intron
33    LOCATION: (30142)...(30518)
34    OTHER INFORMATION: Intron 5
35    NAME/KEY: exon
36    LOCATION: (30519)...(30676)
37    OTHER INFORMATION: Exon 6
38    NAME/KEY: intron
39    LOCATION: (30677)...(34632)
40    OTHER INFORMATION: Intron 6
41    NAME/KEY: exon
42    LOCATION: (34633)...(35318)
43    OTHER INFORMATION: Exon 7
44 JS-09-843-377-11

```

| | Query Match | 29.7%; | Score 297.4; | DB 12; | Length 54000; |
|----|-----------------------|---|------------------|-----------|---------------|
| | Best Local Similarity | 79.2%; | Pred. No. 76-64; | | |
| | Matches 377; | Conservative 0; | Mismatches 97; | Indels 2; | Gaps 2; |
| QY | 50 | AAAGCTCTAGATTGTTGTAATAAATAATTAATATGAATAGCGTAGCGGTGCTCAAGC | 109 | | |
| Db | 18682 | AACCTTACAAAGAAATTTAAATATTAATAATACATGACGACCAAGACAGTAGTCTACGC | 18741 | | |
| QY | 110 | CTGTAATCCAGACACTTTAAGAAGTCGAAGAGGCTGATCACTTGAAGTCAGAGATTTTG | 169 | | |
| Db | 18742 | TTGTAATTTTCAAGCACTTTGGAGGCGCAGGTGTGGCGGATCACTATGAGCCAGAG-TTG | 18800 | | |
| QY | 170 | AGACCAACCTGGCCAAACAGCGTGAACCCCATCTCTAATAATAATAAATTAAGCTNG | 229 | | |
| Db | 18801 | AGACCAACCTGACCCAAATATGATAAACCCCGTTTCTATTAATAAATATTAATAATTAACAG | 18860 | | |
| QY | 230 | GTCGGGTGGCTCAACACTGTAAATCCAGCACTTTGGAGGCTGAGACGGGTGATCACT | 289 | | |
| Db | 18861 | GCATGATGTGTGCATCGCTGTAAATCCAGCACTTTGGAGGCGCAAGGACAGTGTATCACT | 18920 | | |
| QY | 290 | GAAGTCAGGAGTTCAAGGCCAGCGCTGGCAACATGTGTGAACCAAGCTCTCTACTAATAAT | 349 | | |
| Db | 18921 | GAGGTCAAGGATTGTGAACACAGCGCTGGCAACATGTGTGAACACCCACTCTCTACTAATAAT | 18980 | | |
| QY | 350 | ACAAATTTAGCCAGGTGTGTGTGCACAGCCGTGTAGTCCAGACTCTTGGAGGCTGAG | 409 | | |
| Db | 18981 | ACAAATTTATCTGTGGTGTGTGTGTGCACCTGTATGTTCCACTACTCGGAGGCTGAG | 19040 | | |

| Accession | Sequence | Position |
|-----------|--|----------|
| QY | 410 GCGGAAATACGGTTAAACCACTAGACGAGGTTTCATGACCGAGATTAAGACAT | 469 |
| Db | 1941 GCACAAATACACTTAAACCGAGAGTGTGAGGTTCTGTGACCAAGT - TGGCGTACT | 19099 |
| QY | 470 GCACTCCAGCGTTGGGTGACAGACCAAGATCCCTCTCAGAAAAATATAATATAATA | 525 |
| Db | 19100 GCACCTCCAGCGTTGGGTGACAGACCAATCCATCTCTAAAAAATATAATATAATA | 19155 |

```

RESULT 14
US-09-764-868-1349/C
; Sequence 1349 Application US/09764868
; Patent No. US2002016871A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT32
; CURRENT APPLICATION NUMBER: US/09/764,868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALT or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1349
; LENGTH: 24533
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-868-1349

```

| Query Match | Similarity | 29.7% | Score 297.2 | DB 10 | Length 24533 |
|-------------|------------|---|-------------------|------------|--------------|
| Best Local | Similarity | 80.0% | Pred. No. 5.5e-64 | | |
| Matches | 399 | Conservative | 0 | Mismatches | 94 |
| | | | | Indels | 6 |
| | | | | Gaps | 4 |
| Qy | 66 | TGTAAAAAAATTAATGAAATAGAGCTAGGCGCGGTGGCTCAGCGCTGTAAATCCAGCACT | 125 | | |
| Db | 6364 | TGTCCTCAAAATTAATTAATATAGGCCAAGCGCTGGTGGCGCGCTGTAAATCCAGCAAGT | 6305 | | |
| Qy | 126 | TTAAGAGTGCAGAGGGTGTATCACTTAGGCTCAGAGTTTGAAGACACGCTGGCCAA | 185 | | |
| Db | 6304 | TTGAGAGCGCCAGAGCGGGTGGATCACTTGAGGTCGGGAG-TTAGAGACACGCTGACCAA | 6246 | | |
| Qy | 186 | CACGCTAAACCCCATCTCTAATAAATAAATAAATAAGCTGCGGGTGGCTCAC | 245 | | |
| Db | 6245 | CATGAGAGAAACCCGCTCTCTAATAAATAACAACATTAGCAGGCGT--GGTGGCACTATG | 6188 | | |
| Qy | 246 | CTGTAAATCCAGCACTTTGGAGGCTAGACGGGTGATCACTGAAATCAGAGTTCAA | 305 | | |
| Db | 6187 | CTGTAAATCCAGCAAGTTTGAAGGCCCAAGCGGGTGTATCACTGAGATCCGAGATTGA | 6128 | | |
| Qy | 306 | GGCCAGCCTGGGCAACATGTGTAAACCAAGCTCTTACTTAAAAATACAAAAATTAGCAGG | 365 | | |
| Db | 6127 | GACCAGCCTGACCAACATGTAGAAACCCCGCTCTACTTAAAA--TACAACATTAGCCAGG | 6070 | | |
| Qy | 366 | TGTGTGTGGCACACGCCCTGTAGTCCCACTACTTTGGAGGCTGAGGCGGAATATCGCTTG | 425 | | |
| Db | 6069 | CGTGTGTGGCGGTGTCTGTATATCCCACTACTCCAGAGGCTGAGGCGAGATGAATCGCTTG | 6010 | | |
| Qy | 426 | AACCCAGTAGGACAGGTTGCATGAGACCCGAGATAAAGTCACTGCACTCAGGCTGGGT | 485 | | |
| Db | 6009 | AAACCCGGAGGCGGAGGTTGCATGAGACCCGAGAT-TGCGCATTTGCATCCAGGCTGAGC | 5951 | | |
| Qy | 486 | GACAGACCAAGCTCCCTCTCAGAAAAATAAATTAATTAATTAATTAATTAATTAATTA | 545 | | |
| Db | 5950 | AAAGTGAGACTCGTTTCAAAAAATTAATTAATTAATTAATTAATTAATTAATTAATTA | 5891 | | |
| Qy | 546 | AATTAATTAATTAATTTCTAAA | 564 | | |
| Db | 5890 | AATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA | 5872 | | |

RESULT 15
US-09-764-891-7789/c
; Sequence 7789, Application US/09764891
; Publication No. US20030077808A1

| | | | | | | | | | | | | | |
|-------|----|-----|--------|---|--------------------|--------------------|-----|----|-----|--------|---|--------------------|---------------------|
| C 101 | 39 | 3.9 | 3607 | 3 | US-08-952-014C-8 | Sequence 8, Appl1 | 174 | 37 | 3.7 | 6769 | 5 | PCT-US95-10203-20 | Sequence 20, Appl1 |
| C 102 | 39 | 3.9 | 4517 | 5 | PCT-US93-06251-83 | Sequence 89, Appl1 | 175 | 37 | 3.7 | 6769 | 5 | PCT-US95-10220-20 | Sequence 20, Appl1 |
| C 103 | 39 | 3.9 | 4671 | 3 | US-08-462-437-37 | Sequence 27, Appl1 | 176 | 37 | 3.7 | 9734 | 3 | US-09-347-114A-80 | Sequence 80, Appl1 |
| C 104 | 39 | 3.9 | 7130 | 3 | US-09-056-105-31 | Sequence 31, Appl1 | 177 | 37 | 3.7 | 11443 | 3 | US-08-884-324-13 | Sequence 13, Appl1 |
| C 105 | 39 | 3.9 | 8133 | 4 | US-09-659-791A-10 | Sequence 10, Appl1 | 178 | 37 | 3.7 | 11445 | 2 | US-08-756-506-1 | Sequence 1, Appl1 |
| C 106 | 39 | 3.9 | 8174 | 1 | US-07-914-281-5 | Sequence 5, Appl1 | 179 | 37 | 3.7 | 12482 | 2 | US-09-512-563C-25 | Sequence 25, Appl1 |
| C 107 | 39 | 3.9 | 8174 | 1 | US-08-893-246-5 | Sequence 5, Appl1 | 180 | 37 | 3.7 | 14796 | 3 | US-08-975-080-35 | Sequence 35, Appl1 |
| C 108 | 39 | 3.9 | 8174 | 1 | US-08-525-058A-5 | Sequence 5, Appl1 | 181 | 37 | 3.7 | 14796 | 3 | US-09-630-706-10 | Sequence 10, Appl1 |
| C 109 | 39 | 3.9 | 8174 | 2 | US-08-696-731-5 | Sequence 5, Appl1 | 182 | 37 | 3.7 | 14796 | 3 | US-09-496-694B-3 | Sequence 3, Appl1 |
| C 110 | 39 | 3.9 | 8174 | 3 | US-09-042-531-5 | Sequence 5, Appl1 | 183 | 37 | 3.7 | 15418 | 4 | US-09-783-203-1 | Sequence 1, Appl1 |
| C 111 | 39 | 3.9 | 8174 | 5 | PCT-US91-00899-3 | Sequence 3, Appl1 | 184 | 37 | 3.7 | 16595 | 4 | US-09-146-053-7 | Sequence 7, Appl1 |
| C 112 | 39 | 3.9 | 8453 | 3 | US-09-167-681-45 | Sequence 45, Appl1 | 185 | 37 | 3.7 | 17949 | 3 | US-09-087-465-3 | Sequence 3, Appl1 |
| C 113 | 39 | 3.9 | 9844 | 3 | US-08-462-437-30 | Sequence 3, Appl1 | 186 | 37 | 3.7 | 21234 | 4 | US-09-810-671-3 | Sequence 3, Appl1 |
| C 114 | 39 | 3.9 | 14636 | 4 | US-09-173-914-6 | Sequence 6, Appl1 | 187 | 37 | 3.7 | 21787 | 4 | US-09-820-002-3 | Sequence 3, Appl1 |
| C 115 | 39 | 3.9 | 18853 | 4 | US-09-830-005-3 | Sequence 3, Appl1 | 188 | 37 | 3.7 | 24707 | 4 | US-09-740-027-3 | Sequence 3, Appl1 |
| C 116 | 39 | 3.9 | 19806 | 4 | US-09-740-028A-3 | Sequence 3, Appl1 | 189 | 37 | 3.7 | 26016 | 4 | US-09-326-480A-1 | Sequence 1, Appl1 |
| C 117 | 39 | 3.9 | 39982 | 4 | US-09-820-924-3 | Sequence 3, Appl1 | 190 | 37 | 3.7 | 28720 | 4 | US-09-341-587-7 | Sequence 7, Appl1 |
| C 118 | 39 | 3.9 | 43950 | 4 | US-09-735-934A-3 | Sequence 3, Appl1 | 191 | 37 | 3.7 | 28994 | 3 | US-08-884-324-14 | Sequence 14, Appl1 |
| C 119 | 39 | 3.9 | 43950 | 4 | US-10-060-332-3 | Sequence 3, Appl1 | 192 | 37 | 3.7 | 29629 | 4 | US-09-729-995-3 | Sequence 3, Appl1 |
| C 120 | 39 | 3.9 | 50000 | 4 | US-09-146-053-4 | Sequence 4, Appl1 | 193 | 37 | 3.7 | 41684 | 4 | US-09-536-059-1 | Sequence 1, Appl1 |
| C 121 | 39 | 3.9 | 51719 | 4 | US-09-918-686-2 | Sequence 2, Appl1 | 194 | 37 | 3.7 | 45546 | 4 | US-09-146-053-6 | Sequence 6, Appl1 |
| C 122 | 39 | 3.9 | 70000 | 4 | US-09-851-896-3 | Sequence 3, Appl1 | 195 | 37 | 3.7 | 46728 | 4 | US-09-816-093-3 | Sequence 3, Appl1 |
| C 123 | 39 | 3.9 | 87350 | 3 | US-08-781-891-79 | Sequence 79, Appl1 | 196 | 37 | 3.7 | 50000 | 4 | US-09-146-053-3 | Sequence 3, Appl1 |
| C 124 | 39 | 3.9 | 87350 | 4 | US-09-618-166-79 | Sequence 79, Appl1 | 197 | 37 | 3.7 | 53526 | 3 | US-08-658-136-2 | Sequence 2, Appl1 |
| C 125 | 39 | 3.9 | 87543 | 4 | US-09-791-211-3 | Sequence 3, Appl1 | 198 | 37 | 3.7 | 53577 | 3 | US-08-658-136-1 | Sequence 1, Appl1 |
| C 126 | 39 | 3.9 | 92139 | 4 | US-09-918-686-1 | Sequence 1, Appl1 | 199 | 37 | 3.7 | 55516 | 2 | US-08-996-306-1 | Sequence 1, Appl1 |
| C 127 | 39 | 3.9 | 98844 | 4 | US-09-791-211-10 | Sequence 10, Appl1 | 200 | 37 | 3.7 | 55516 | 3 | US-09-338-907-1 | Sequence 1, Appl1 |
| C 128 | 39 | 3.9 | 116592 | 4 | US-09-818-512-3 | Sequence 3, Appl1 | 201 | 37 | 3.7 | 55516 | 4 | US-09-318-207-1 | Sequence 1, Appl1 |
| C 129 | 39 | 3.9 | 319608 | 4 | US-09-539-333D-1 | Sequence 1, Appl1 | 202 | 37 | 3.7 | 56520 | 4 | US-09-338-907-179 | Sequence 179, Appl1 |
| C 130 | 39 | 3.9 | 319608 | 4 | US-09-679-409-1 | Sequence 1, Appl1 | 203 | 37 | 3.7 | 56520 | 4 | US-09-318-207-179 | Sequence 179, Appl1 |
| C 131 | 38 | 3.8 | 223 | 4 | US-09-643-597-268 | Sequence 268, App | 204 | 37 | 3.7 | 64467 | 4 | US-09-803-671B-3 | Sequence 3, Appl1 |
| C 132 | 38 | 3.8 | 223 | 4 | US-09-480-884A-268 | Sequence 268, App | 205 | 37 | 3.7 | 84495 | 4 | US-09-797-906-3 | Sequence 3, Appl1 |
| C 133 | 38 | 3.8 | 223 | 4 | US-09-542-615A-268 | Sequence 268, App | 206 | 37 | 3.7 | 168575 | 4 | US-09-426-290-1 | Sequence 1, Appl1 |
| C 134 | 38 | 3.8 | 223 | 4 | US-09-606-421B-268 | Sequence 268, App | 207 | 37 | 3.7 | 168998 | 4 | US-09-676-610B-24 | Sequence 24, Appl1 |
| C 135 | 38 | 3.8 | 257 | 2 | US-08-849-701-4 | Sequence 4, Appl1 | 208 | 37 | 3.7 | 174493 | 4 | US-09-804-471A-3 | Sequence 3, Appl1 |
| C 136 | 38 | 3.8 | 1595 | 4 | US-09-461-325-17 | Sequence 17, Appl1 | 209 | 37 | 3.7 | 176373 | 3 | US-09-128-155-17 | Sequence 17, Appl1 |
| C 137 | 38 | 3.8 | 1860 | 4 | US-09-469-847-53 | Sequence 53, Appl1 | 210 | 37 | 3.7 | 197496 | 4 | US-09-877-177A-10 | Sequence 10, Appl1 |
| C 138 | 38 | 3.8 | 1988 | 2 | US-08-257-963B-11 | Sequence 11, Appl1 | 211 | 37 | 3.7 | 319608 | 4 | US-09-539-333D-1 | Sequence 1, Appl1 |
| C 139 | 38 | 3.8 | 1988 | 4 | US-08-367-841A-11 | Sequence 11, Appl1 | 212 | 37 | 3.7 | 319608 | 4 | US-09-679-409-1 | Sequence 1, Appl1 |
| C 140 | 38 | 3.8 | 1988 | 5 | PCT-US95-07201-11 | Sequence 11, Appl1 | 213 | 36 | 3.6 | 308 | 4 | US-09-702-705-1003 | Sequence 1003, Ap |
| C 141 | 38 | 3.8 | 3035 | 1 | US-08-726-725-2 | Sequence 2, Appl1 | 214 | 36 | 3.6 | 308 | 4 | US-09-736-457-1111 | Sequence 1111, Ap |
| C 142 | 38 | 3.8 | 5262 | 4 | US-08-520-373D-5 | Sequence 5, Appl1 | 215 | 36 | 3.6 | 363 | 4 | US-09-702-705-878 | Sequence 878, App |
| C 143 | 38 | 3.8 | 8353 | 3 | US-08-611-587-1 | Sequence 105, App | 216 | 36 | 3.6 | 363 | 4 | US-09-736-457-878 | Sequence 878, App |
| C 144 | 38 | 3.8 | 13158 | 2 | US-08-687-080-105 | Sequence 105, App | 217 | 36 | 3.6 | 364 | 4 | US-09-702-705-867 | Sequence 867, App |
| C 145 | 38 | 3.8 | 13158 | 2 | US-08-687-080-105 | Sequence 105, App | 218 | 36 | 3.6 | 364 | 4 | US-09-736-457-867 | Sequence 867, App |
| C 146 | 38 | 3.8 | 15297 | 4 | US-09-817-180-3 | Sequence 3, Appl1 | 219 | 36 | 3.6 | 368 | 4 | US-09-702-705-1003 | Sequence 1003, Ap |
| C 147 | 38 | 3.8 | 16389 | 4 | US-08-741-154-3 | Sequence 3, Appl1 | 220 | 36 | 3.6 | 368 | 4 | US-09-702-705-1038 | Sequence 1038, Ap |
| C 148 | 38 | 3.8 | 22481 | 4 | US-08-367-841A-43 | Sequence 43, Appl1 | 221 | 36 | 3.6 | 368 | 4 | US-09-702-705-1044 | Sequence 1044, Ap |
| C 149 | 38 | 3.8 | 22481 | 5 | PCT-US95-07201-43 | Sequence 43, Appl1 | 222 | 36 | 3.6 | 368 | 4 | US-09-702-705-1092 | Sequence 1092, Ap |
| C 150 | 38 | 3.8 | 22484 | 4 | US-09-875-223-2 | Sequence 2, Appl1 | 223 | 36 | 3.6 | 368 | 4 | US-09-702-705-1164 | Sequence 1164, Ap |
| C 151 | 38 | 3.8 | 38564 | 4 | US-09-734-673-3 | Sequence 3, Appl1 | 224 | 36 | 3.6 | 368 | 4 | US-09-702-705-1584 | Sequence 1584, Ap |
| C 152 | 38 | 3.8 | 63588 | 4 | US-09-873-404-3 | Sequence 3, Appl1 | 225 | 36 | 3.6 | 368 | 4 | US-09-736-457-1584 | Sequence 1003, Ap |
| C 153 | 38 | 3.8 | 99500 | 4 | US-09-798-096-10 | Sequence 10, Appl1 | 226 | 36 | 3.6 | 368 | 4 | US-09-736-457-1038 | Sequence 1038, Ap |
| C 154 | 37 | 3.7 | 282 | 1 | US-08-133-629-8 | Sequence 8, Appl1 | 227 | 36 | 3.6 | 368 | 4 | US-09-736-457-1044 | Sequence 1044, Ap |
| C 155 | 37 | 3.7 | 283 | 4 | US-08-579-445-24 | Sequence 24, Appl1 | 228 | 36 | 3.6 | 368 | 4 | US-09-736-457-1164 | Sequence 1164, Ap |
| C 157 | 37 | 3.7 | 526 | 4 | US-08-579-445-24 | Sequence 24, Appl1 | 229 | 36 | 3.6 | 368 | 4 | US-09-736-457-1092 | Sequence 1092, Ap |
| C 158 | 37 | 3.7 | 676 | 4 | US-09-490-818-1 | Sequence 1, Appl1 | 230 | 36 | 3.6 | 368 | 4 | US-09-736-457-1584 | Sequence 1584, Ap |
| C 159 | 37 | 3.7 | 1837 | 2 | US-08-737-371A-3 | Sequence 3, Appl1 | 231 | 36 | 3.6 | 601 | 4 | US-09-691-861A-19 | Sequence 19, Appl1 |
| C 160 | 37 | 3.7 | 1837 | 5 | PCT-US95-05853-3 | Sequence 3, Appl1 | 232 | 36 | 3.6 | 655 | 3 | US-09-385-982-301 | Sequence 301, App |
| C 161 | 37 | 3.7 | 1838 | 4 | US-09-227-357-32 | Sequence 32, Appl1 | 233 | 36 | 3.6 | 852 | 3 | US-09-078-294-18 | Sequence 18, Appl1 |
| C 162 | 37 | 3.7 | 3867 | 3 | US-09-347-114A-81 | Sequence 81, Appl1 | 234 | 36 | 3.6 | 955 | 4 | US-09-620-312D-288 | Sequence 228, App |
| C 163 | 37 | 3.7 | 4080 | 2 | US-08-710-249-3 | Sequence 3, Appl1 | 235 | 36 | 3.6 | 998 | 4 | US-09-227-357-62 | Sequence 62, Appl1 |
| C 164 | 37 | 3.7 | 4080 | 2 | US-09-220-157A-3 | Sequence 3, Appl1 | 236 | 36 | 3.6 | 1001 | 4 | US-09-671-317-274 | Sequence 274, App |
| C 165 | 37 | 3.7 | 4192 | 4 | US-09-122-126B-1 | Sequence 1, Appl1 | 237 | 36 | 3.6 | 1154 | 4 | US-09-539-333D-37 | Sequence 37, Appl1 |
| C 166 | 37 | 3.7 | 4192 | 4 | US-09-634-286A-1 | Sequence 1, Appl1 | 238 | 36 | 3.6 | 1281 | 4 | US-09-996-243-372 | Sequence 372, App |
| C 167 | 37 | 3.7 | 4773 | 3 | US-08-884-324-9 | Sequence 9, Appl1 | 239 | 36 | 3.6 | 1289 | 4 | US-09-247-155-118 | Sequence 138, App |
| C 168 | 37 | 3.7 | 6769 | 1 | US-08-480-784-20 | Sequence 20, Appl1 | 240 | 36 | 3.6 | 1301 | 4 | US-08-983-502-19 | Sequence 19, Appl1 |
| C 169 | 37 | 3.7 | 6769 | 1 | US-08-483-553-20 | Sequence 20, Appl1 | 241 | 36 | 3.6 | 1301 | 4 | US-09-539-333D-36 | Sequence 36, Appl1 |
| C 170 | 37 | 3.7 | 6769 | 1 | US-08-487-002-20 | Sequence 20, Appl1 | 242 | 36 | 3.6 | 1301 | 4 | PCT-US96-10521-15 | Sequence 15, Appl1 |
| C 171 | 37 | 3.7 | 6769 | 1 | US-08-483-554B-20 | Sequence 20, Appl1 | 243 | 36 | 3.6 | 1301 | 4 | US-08-983-502-15 | Sequence 15, Appl1 |
| C 172 | 37 | 3.7 | 6769 | 1 | US-08-488-011B-20 | Sequence 20, Appl1 | 244 | 36 | 3.6 | 1301 | 4 | US-08-983-502-15 | Sequence 15, Appl1 |
| C 173 | 37 | 3.7 | 6769 | 5 | PCT-US95-10202-20 | Sequence 20, Appl1 | 245 | 36 | 3.6 | 1323 | 4 | US-09-516-747-15 | Sequence 15, Appl1 |
| | | | | | | | 246 | 36 | 3.6 | 1323 | 5 | PCT-US96-10521-15 | Sequence 15, Appl1 |

| | | | | | | | | | | | | | |
|-------|----|-----|--------|---|--------------------|--------------------|-------|----|-----|-------|---|--------------------|--------------------|
| 247 | 36 | 3.6 | 1386 | 4 | US-09-539-333D-40 | Sequence 40, Appl | C 320 | 35 | 3.5 | 320 | 1 | US-08-629-939-5 | Sequence 5, Appl |
| C 248 | 36 | 3.6 | 1443 | 4 | US-08-983-502-33 | Sequence 33, Appl | C 321 | 35 | 3.5 | 320 | 1 | US-08-759-873-5 | Sequence 5, Appl |
| C 249 | 36 | 3.6 | 1443 | 4 | US-09-516-747-33 | Sequence 33, Appl | C 322 | 35 | 3.5 | 380 | 1 | US-08-126-587C-5 | Sequence 5, Appl |
| C 250 | 36 | 3.6 | 1443 | 5 | PCT-US96-10521-33 | Sequence 33, Appl | C 323 | 35 | 3.5 | 517 | 4 | US-09-495-050A-282 | Sequence 282, App |
| 251 | 36 | 3.6 | 1808 | 1 | US-08-351-149-4 | Sequence 4, Appl | C 324 | 35 | 3.5 | 534 | 1 | US-08-599-252-101 | Sequence 101, App |
| 252 | 36 | 3.6 | 1808 | 1 | US-08-384-828-4 | Sequence 4, Appl | C 325 | 35 | 3.5 | 534 | 5 | PCT-US96-06352-101 | Sequence 101, App |
| 253 | 36 | 3.6 | 1808 | 4 | US-08-895-474-4 | Sequence 4, Appl | C 326 | 35 | 3.5 | 534 | 5 | PCT-US96-06383-101 | Sequence 101, App |
| 254 | 36 | 3.6 | 2040 | 3 | US-09-069-023-33 | Sequence 33, Appl | C 327 | 35 | 3.5 | 654 | 4 | US-09-288-143-37 | Sequence 37, Appl |
| 255 | 36 | 3.6 | 2045 | 3 | US-08-795-088A-1 | Sequence 1, Appl | C 328 | 35 | 3.5 | 725 | 4 | US-09-328-475C-329 | Sequence 329, App |
| 256 | 36 | 3.6 | 2503 | 3 | US-09-198-122-7 | Sequence 7, Appl | C 329 | 35 | 3.5 | 747 | 4 | US-09-328-475C-328 | Sequence 328, App |
| C 257 | 36 | 3.6 | 2619 | 4 | US-08-983-502-17 | Sequence 17, Appl | C 330 | 35 | 3.5 | 748 | 4 | US-09-304-615-55 | Sequence 55, Appl |
| C 258 | 36 | 3.6 | 2619 | 4 | US-09-516-747-17 | Sequence 17, Appl | C 331 | 35 | 3.5 | 856 | 4 | US-09-288-143-47 | Sequence 47, Appl |
| C 259 | 36 | 3.6 | 2619 | 5 | PCT-US96-10521-17 | Sequence 17, Appl | C 332 | 35 | 3.5 | 930 | 4 | US-09-641-638-277 | Sequence 277, App |
| C 260 | 36 | 3.6 | 2649 | 2 | US-08-718-964-1 | Sequence 1, Appl | C 333 | 35 | 3.5 | 1001 | 4 | US-09-671-317-238 | Sequence 238, App |
| C 261 | 36 | 3.6 | 2649 | 2 | US-09-059-964A-1 | Sequence 1, Appl | C 334 | 35 | 3.5 | 1001 | 4 | US-09-671-317-239 | Sequence 239, App |
| C 262 | 36 | 3.6 | 2649 | 2 | US-08-842-341-1 | Sequence 1, Appl | C 335 | 35 | 3.5 | 1002 | 4 | US-09-641-638-587 | Sequence 587, App |
| C 263 | 36 | 3.6 | 2886 | 2 | US-08-687-080-55 | Sequence 55, Appl | C 336 | 35 | 3.5 | 1024 | 4 | US-09-328-475C-75 | Sequence 75, Appl |
| C 264 | 36 | 3.6 | 2886 | 2 | US-08-687-080-55 | Sequence 55, Appl | C 337 | 35 | 3.5 | 1043 | 4 | US-09-165-868-4 | Sequence 4, Appl |
| C 265 | 36 | 3.6 | 2887 | 4 | US-08-983-502-14 | Sequence 14, Appl | C 338 | 35 | 3.5 | 1314 | 4 | US-09-599-360B-54 | Sequence 54, Appl |
| C 266 | 36 | 3.6 | 2887 | 4 | US-09-516-747-14 | Sequence 14, Appl | C 339 | 35 | 3.5 | 1359 | 4 | US-09-599-360B-54 | Sequence 54, Appl |
| C 267 | 36 | 3.6 | 2887 | 5 | PCT-US96-10521-14 | Sequence 14, Appl | C 340 | 35 | 3.5 | 1601 | 4 | US-09-016-434-1218 | Sequence 1218, App |
| 268 | 36 | 3.6 | 3452 | 4 | US-09-996-243-56 | Sequence 56, Appl | C 341 | 35 | 3.5 | 1650 | 3 | US-08-943-731-166 | Sequence 166, App |
| 269 | 36 | 3.6 | 3472 | 4 | US-09-016-434-1328 | Sequence 1328, App | C 342 | 35 | 3.5 | 2078 | 4 | US-09-489-847-61 | Sequence 61, Appl |
| 270 | 36 | 3.6 | 3480 | 1 | US-07-657-769B-68 | Sequence 68, Appl | C 343 | 35 | 3.5 | 2091 | 4 | US-09-620-312D-743 | Sequence 743, App |
| 271 | 36 | 3.6 | 3480 | 1 | US-07-789-184-219 | Sequence 219, App | C 344 | 35 | 3.5 | 2480 | 4 | US-09-534-638-3 | Sequence 3, Appl |
| 272 | 36 | 3.6 | 3480 | 1 | US-08-475-263-219 | Sequence 219, App | C 345 | 35 | 3.5 | 2559 | 2 | US-08-866-152-4 | Sequence 4, Appl |
| 273 | 36 | 3.6 | 3480 | 1 | US-08-485-886-219 | Sequence 219, App | C 346 | 35 | 3.5 | 2559 | 4 | US-09-196-222-4 | Sequence 240, App |
| 274 | 36 | 3.6 | 3480 | 2 | US-08-477-362-219 | Sequence 219, App | C 347 | 35 | 3.5 | 2567 | 4 | US-09-996-243-240 | Sequence 12, Appl |
| 275 | 36 | 3.6 | 3480 | 2 | US-08-477-134-219 | Sequence 219, App | C 348 | 35 | 3.5 | 3257 | 2 | US-08-257-963B-12 | Sequence 12, Appl |
| 276 | 36 | 3.6 | 3480 | 3 | US-08-473-489A-219 | Sequence 219, App | C 349 | 35 | 3.5 | 3267 | 4 | US-08-367-841A-12 | Sequence 12, Appl |
| 277 | 36 | 3.6 | 3480 | 3 | US-08-485-695-219 | Sequence 219, App | C 350 | 35 | 3.5 | 3267 | 5 | PCT-US95-07201-12 | Sequence 2, Appl |
| 278 | 36 | 3.6 | 3480 | 3 | US-08-018-760-219 | Sequence 219, App | C 351 | 35 | 3.5 | 3366 | 4 | US-09-345-650-2 | Sequence 5, Appl |
| C 279 | 36 | 3.6 | 5500 | 3 | US-09-103-663-35 | Sequence 35, Appl | C 352 | 35 | 3.5 | 3742 | 1 | US-08-694-915-5 | Sequence 243, App |
| C 280 | 36 | 3.6 | 5500 | 3 | US-09-050-159-129 | Sequence 129, App | C 353 | 35 | 3.5 | 4468 | 4 | US-09-620-312D-243 | Sequence 34, Appl |
| C 281 | 36 | 3.6 | 6139 | 4 | US-08-883-076D-33 | Sequence 33, Appl | C 354 | 35 | 3.5 | 4698 | 4 | US-09-439-261-34 | Sequence 33, Appl |
| C 282 | 36 | 3.6 | 6623 | 2 | US-08-687-080-68 | Sequence 68, Appl | C 355 | 35 | 3.5 | 5375 | 3 | US-08-757-223-7 | Sequence 7, Appl |
| C 283 | 36 | 3.6 | 7676 | 1 | US-08-451-777A-7 | Sequence 7, Appl | C 356 | 35 | 3.5 | 6235 | 3 | US-09-305-384-5 | Sequence 5, Appl |
| C 284 | 36 | 3.6 | 7676 | 2 | US-08-451-777A-7 | Sequence 7, Appl | C 357 | 35 | 3.5 | 6235 | 3 | US-09-305-384-5 | Sequence 6, Appl |
| C 285 | 36 | 3.6 | 7676 | 2 | US-08-451-777A-7 | Sequence 7, Appl | C 358 | 35 | 3.5 | 6679 | 3 | US-09-525-160B-6 | Sequence 1, Appl |
| C 286 | 36 | 3.6 | 7676 | 5 | PCT-US95-06743-7 | Sequence 7, Appl | C 359 | 35 | 3.5 | 6679 | 4 | US-09-525-160B-5 | Sequence 5, Appl |
| C 287 | 36 | 3.6 | 7680 | 4 | US-09-210-748A-3 | Sequence 3, Appl | C 360 | 35 | 3.5 | 7210 | 2 | US-08-357-963B-10 | Sequence 10, Appl |
| C 288 | 36 | 3.6 | 9704 | 4 | US-09-814-951A-3 | Sequence 3, Appl | C 361 | 35 | 3.5 | 7210 | 4 | US-08-367-841A-10 | Sequence 10, Appl |
| 289 | 36 | 3.6 | 11811 | 2 | US-09-078-294-7 | Sequence 7, Appl | C 362 | 35 | 3.5 | 7210 | 5 | PCT-US95-07201-10 | Sequence 10, Appl |
| C 290 | 36 | 3.6 | 12047 | 2 | US-09-022-461-1 | Sequence 1, Appl | C 363 | 35 | 3.5 | 8056 | 3 | US-09-136-605-14 | Sequence 14, Appl |
| C 291 | 36 | 3.6 | 12047 | 4 | US-09-033-556-3 | Sequence 3, Appl | C 364 | 35 | 3.5 | 8082 | 1 | US-08-306-691B-41 | Sequence 41, Appl |
| C 292 | 36 | 3.6 | 12047 | 4 | US-09-474-699-11 | Sequence 11, Appl | C 365 | 35 | 3.5 | 8082 | 1 | US-08-187-785-1 | Sequence 1, Appl |
| C 293 | 36 | 3.6 | 12565 | 3 | US-09-345-217-3 | Sequence 3, Appl | C 366 | 35 | 3.5 | 8082 | 4 | US-09-167-322-11 | Sequence 11, Appl |
| 294 | 36 | 3.6 | 14636 | 3 | US-09-173-914-6 | Sequence 6, Appl | C 367 | 35 | 3.5 | 8082 | 4 | US-09-167-322-11 | Sequence 28, Appl |
| 295 | 36 | 3.6 | 14796 | 3 | US-08-975-080-35 | Sequence 35, Appl | C 368 | 35 | 3.5 | 12394 | 4 | PCT-US93-06251-28 | Sequence 10, Appl |
| 296 | 36 | 3.6 | 14796 | 4 | US-09-630-706-10 | Sequence 10, Appl | C 369 | 35 | 3.5 | 12394 | 4 | US-09-488-856A-10 | Sequence 3, Appl |
| 297 | 36 | 3.6 | 14796 | 4 | US-09-496-694B-3 | Sequence 3, Appl | C 370 | 35 | 3.5 | 14747 | 4 | US-09-835-811-3 | Sequence 42, Appl |
| C 298 | 36 | 3.6 | 15602 | 4 | US-09-844-634-17 | Sequence 17, Appl | C 371 | 35 | 3.5 | 14747 | 4 | US-09-608-285A-42 | Sequence 42, Appl |
| C 299 | 36 | 3.6 | 15652 | 4 | US-09-422-936-60 | Sequence 60, Appl | C 372 | 35 | 3.5 | 15977 | 4 | US-09-608-285A-59 | Sequence 59, Appl |
| C 300 | 36 | 3.6 | 18000 | 4 | US-09-657-346A-17 | Sequence 17, Appl | C 373 | 35 | 3.5 | 15977 | 4 | US-09-608-285A-59 | Sequence 18, Appl |
| 301 | 36 | 3.6 | 23187 | 4 | US-09-499-522-1 | Sequence 1, Appl | C 374 | 35 | 3.5 | 17606 | 4 | US-09-679-299A-18 | Sequence 18, Appl |
| C 302 | 36 | 3.6 | 31571 | 1 | US-08-323-443B-1 | Sequence 1, Appl | C 375 | 35 | 3.5 | 17606 | 4 | US-08-943-731-4 | Sequence 4, Appl |
| C 303 | 36 | 3.6 | 32042 | 4 | US-09-245-381-44 | Sequence 44, Appl | C 376 | 35 | 3.5 | 18000 | 4 | US-09-657-346A-17 | Sequence 17, Appl |
| C 304 | 36 | 3.6 | 32042 | 4 | US-09-340-620A-63 | Sequence 63, Appl | C 377 | 35 | 3.5 | 20303 | 3 | US-09-078-294-12 | Sequence 12, Appl |
| C 305 | 36 | 3.6 | 36159 | 4 | US-09-749-588-3 | Sequence 3, Appl | C 378 | 35 | 3.5 | 20303 | 1 | US-08-370-975B-6 | Sequence 6, Appl |
| C 311 | 36 | 3.6 | 80246 | 3 | US-09-078-294-4 | Sequence 4, Appl | C 384 | 35 | 3.5 | 28001 | 4 | US-09-729-993-3 | Sequence 3, Appl |
| C 312 | 36 | 3.6 | 80595 | 3 | US-09-078-294-4 | Sequence 4, Appl | C 385 | 35 | 3.5 | 28001 | 4 | US-09-729-993-3 | Sequence 3, Appl |
| C 313 | 36 | 3.6 | 83450 | 4 | US-09-811-469-3 | Sequence 3, Appl | C 386 | 35 | 3.5 | 32654 | 4 | US-09-801-191A-3 | Sequence 3, Appl |
| C 314 | 36 | 3.6 | 83450 | 4 | US-09-811-469-3 | Sequence 3, Appl | C 387 | 35 | 3.5 | 35060 | 3 | US-08-814-095-7 | Sequence 7, Appl |
| C 315 | 36 | 3.6 | 111282 | 4 | US-09-754-250-3 | Sequence 3, Appl | C 388 | 35 | 3.5 | 36651 | 4 | US-09-738-894A-3 | Sequence 3, Appl |
| C 316 | 36 | 3.6 | 152331 | 3 | US-09-128-155-16 | Sequence 16, Appl | C 389 | 35 | 3.5 | 36651 | 4 | US-09-964-469-3 | Sequence 3, Appl |
| C 317 | 36 | 3.6 | 158575 | 4 | US-09-426-290-1 | Sequence 1, Appl | C 390 | 35 | 3.5 | 38653 | 4 | US-09-922-445-1 | Sequence 1, Appl |
| C 318 | 36 | 3.6 | 174493 | 4 | US-09-804-471A-3 | Sequence 3, Appl | C 391 | 35 | 3.5 | 40352 | 4 | US-08-846-111D-15 | Sequence 15, Appl |
| C 319 | 36 | 3.6 | 202001 | 4 | US-09-734-674-3 | Sequence 3, Appl | C 392 | 35 | 3.5 | 40352 | 4 | US-09-443-077-15 | Sequence 15, Appl |

| | | | | | | | | | | | | | |
|-----|----|-----|--------|---|--------------------|--------------------|-----|----|-----|--------|---|--------------------|--------------------|
| 393 | 35 | 3.5 | 42571 | 4 | US-09-810-347-3 | Sequence 3, Appl1 | 466 | 33 | 3.3 | 517 | 5 | PCT-US95-10203-33 | Sequence 33, Appl1 |
| 394 | 35 | 3.5 | 49312 | 4 | US-09-671-317-485 | Sequence 495, App | 467 | 33 | 3.3 | 517 | 5 | PCT-US95-10220-33 | Sequence 33, Appl1 |
| 395 | 35 | 3.5 | 51552 | 4 | US-09-733-294A-30 | Sequence 30, Appl1 | 468 | 33 | 3.3 | 665 | 3 | US-08-896-164-43 | Sequence 43, Appl1 |
| 396 | 35 | 3.5 | 51552 | 4 | US-09-733-294A-30 | Sequence 30, Appl1 | 469 | 33 | 3.3 | 737 | 2 | US-08-857-963B-41 | Sequence 41, Appl1 |
| 397 | 35 | 3.5 | 53332 | 4 | US-09-801-861-3 | Sequence 3, Appl1 | 470 | 33 | 3.3 | 737 | 4 | US-08-367-842A-41 | Sequence 41, Appl1 |
| 398 | 35 | 3.5 | 55837 | 4 | US-09-813-133A-3 | Sequence 3, Appl1 | 471 | 33 | 3.3 | 737 | 5 | PCT-US85-07201-41 | Sequence 41, Appl1 |
| 399 | 35 | 3.5 | 81001 | 4 | US-09-750-580-1 | Sequence 1, Appl1 | 472 | 33 | 3.3 | 1313 | 3 | US-09-035-648-22 | Sequence 22, Appl1 |
| 400 | 35 | 3.5 | 83450 | 4 | US-09-811-469-3 | Sequence 5, Appl1 | 473 | 33 | 3.3 | 1313 | 3 | US-09-001-951-22 | Sequence 22, Appl1 |
| 401 | 34 | 3.4 | 201 | 2 | US-08-849-701-5 | Sequence 88, Appl1 | 474 | 33 | 3.3 | 1322 | 4 | US-08-818-829-22 | Sequence 22, Appl1 |
| 402 | 34 | 3.4 | 308 | 4 | US-09-222-575-88 | Sequence 88, Appl1 | 475 | 33 | 3.3 | 1328 | 4 | US-09-461-325-67 | Sequence 67, Appl1 |
| 403 | 34 | 3.4 | 308 | 4 | US-09-389-681-88 | Sequence 88, Appl1 | 476 | 33 | 3.3 | 1773 | 4 | US-09-896-243-360 | Sequence 360, App |
| 404 | 34 | 3.4 | 308 | 4 | US-09-620-405B-88 | Sequence 88, Appl1 | 477 | 33 | 3.3 | 1773 | 4 | US-08-943-731-215 | Sequence 215, App |
| 405 | 34 | 3.4 | 308 | 4 | US-09-339-338-88 | Sequence 88, Appl1 | 478 | 33 | 3.3 | 1856 | 1 | US-08-157-171-3 | Sequence 3, Appl1 |
| 406 | 34 | 3.4 | 308 | 4 | US-09-433-826B-88 | Sequence 88, Appl1 | 479 | 33 | 3.3 | 1856 | 1 | US-09-050-159-128 | Sequence 128, App |
| 407 | 34 | 3.4 | 308 | 4 | US-09-604-287A-88 | Sequence 88, Appl1 | 480 | 33 | 3.3 | 1947 | 1 | US-08-299-849B-19 | Sequence 19, Appl1 |
| 408 | 34 | 3.4 | 403 | 3 | US-08-946-026-10 | Sequence 10, Appl1 | 481 | 33 | 3.3 | 1947 | 2 | US-08-142-368B-19 | Sequence 19, Appl1 |
| 409 | 34 | 3.4 | 859 | 3 | US-09-535-008-58 | Sequence 58, Appl1 | 482 | 33 | 3.3 | 1947 | 3 | US-08-967-727-19 | Sequence 19, Appl1 |
| 410 | 34 | 3.4 | 863 | 3 | US-08-943-731-171 | Sequence 171, Appl | 483 | 33 | 3.3 | 1947 | 3 | US-08-037-230D-19 | Sequence 19, Appl1 |
| 411 | 34 | 3.4 | 966 | 4 | US-09-641-638-117 | Sequence 117, App | 484 | 33 | 3.3 | 1947 | 4 | US-09-583-850-19 | Sequence 19, Appl1 |
| 412 | 34 | 3.4 | 1001 | 4 | US-09-641-638-312 | Sequence 312, App | 485 | 33 | 3.3 | 1947 | 4 | US-09-579-197-19 | Sequence 19, Appl1 |
| 413 | 34 | 3.4 | 1001 | 4 | US-09-641-638-312 | Sequence 448, App | 486 | 33 | 3.3 | 1947 | 4 | US-09-404-026-19 | Sequence 19, Appl1 |
| 414 | 34 | 3.4 | 1037 | 4 | US-09-257-179-16 | Sequence 16, Appl | 487 | 33 | 3.3 | 2099 | 3 | US-08-938-669A-5 | Sequence 5, Appl1 |
| 415 | 34 | 3.4 | 1050 | 3 | US-08-755-587-21 | Sequence 21, Appl | 488 | 33 | 3.3 | 2099 | 4 | US-09-306-828-5 | Sequence 5, Appl1 |
| 416 | 34 | 3.4 | 1182 | 4 | US-09-469-242-1 | Sequence 1, Appl1 | 489 | 33 | 3.3 | 2229 | 3 | US-08-927-219-80 | Sequence 80, Appl1 |
| 417 | 34 | 3.4 | 1260 | 1 | US-08-599-252-83 | Sequence 83, Appl1 | 490 | 33 | 3.3 | 2297 | 4 | US-09-218-363-1 | Sequence 1, Appl1 |
| 418 | 34 | 3.4 | 1260 | 1 | US-08-436-074-56 | Sequence 56, Appl1 | 491 | 33 | 3.3 | 2630 | 3 | US-08-669-286-6 | Sequence 6, Appl1 |
| 419 | 34 | 3.4 | 1260 | 5 | PCT-US96-06352-83 | Sequence 83, Appl1 | 492 | 33 | 3.3 | 2630 | 3 | US-09-469-253-6 | Sequence 6, Appl1 |
| 420 | 34 | 3.4 | 1260 | 5 | PCT-US96-06583-83 | Sequence 83, Appl1 | 493 | 33 | 3.3 | 2630 | 3 | US-09-642-146-6 | Sequence 6, Appl1 |
| 421 | 34 | 3.4 | 2253 | 4 | US-09-595-549-1 | Sequence 1, Appl1 | 494 | 33 | 3.3 | 3301 | 4 | US-09-602-877A-97 | Sequence 97, Appl1 |
| 422 | 34 | 3.4 | 2255 | 4 | US-09-620-312D-582 | Sequence 582, App | 495 | 33 | 3.3 | 3301 | 4 | US-09-632-098-1 | Sequence 1, Appl1 |
| 423 | 34 | 3.4 | 2253 | 2 | US-09-031-392-1 | Sequence 1, Appl1 | 496 | 33 | 3.3 | 3360 | 4 | US-09-904-615-44 | Sequence 44, Appl1 |
| 424 | 34 | 3.4 | 2343 | 3 | US-09-399-549-1 | Sequence 1, Appl1 | 497 | 33 | 3.3 | 3368 | 4 | US-09-632-098-3 | Sequence 3, Appl1 |
| 425 | 34 | 3.4 | 2343 | 4 | US-09-610-417-1 | Sequence 1, Appl1 | 498 | 33 | 3.3 | 3307 | 1 | US-08-832-883-67 | Sequence 67, Appl1 |
| 426 | 34 | 3.4 | 2351 | 4 | US-09-620-312D-848 | Sequence 848, App | 499 | 33 | 3.3 | 3307 | 2 | US-08-832-877-67 | Sequence 67, Appl1 |
| 427 | 34 | 3.4 | 2415 | 3 | US-09-019-689-1 | Sequence 1, Appl1 | 500 | 33 | 3.3 | 3805 | 4 | US-09-108-006C-3 | Sequence 3, Appl1 |
| 428 | 34 | 3.4 | 3114 | 3 | US-08-946-026-12 | Sequence 12, Appl1 | 501 | 33 | 3.3 | 3885 | 1 | US-08-688-145-1 | Sequence 1, Appl1 |
| 429 | 34 | 3.4 | 3129 | 4 | US-10-045-428A-9 | Sequence 9, Appl1 | 502 | 33 | 3.3 | 4460 | 3 | US-09-103-875-4 | Sequence 4, Appl1 |
| 430 | 34 | 3.4 | 4182 | 4 | US-09-667-422-3 | Sequence 2, Appl1 | 503 | 33 | 3.3 | 5581 | 3 | US-08-757-223-7 | Sequence 7, Appl1 |
| 431 | 34 | 3.4 | 4182 | 4 | US-09-667-422-2 | Sequence 1, Appl1 | 504 | 33 | 3.3 | 7210 | 5 | PCT-US95-07201-10 | Sequence 10, Appl1 |
| 432 | 34 | 3.4 | 4203 | 3 | US-09-667-422-1 | Sequence 1, Appl1 | 505 | 33 | 3.3 | 6063 | 1 | US-08-195-744-4 | Sequence 4, Appl1 |
| 433 | 34 | 3.4 | 4336 | 2 | US-08-852-807-12 | Sequence 12, Appl | 506 | 33 | 3.3 | 6063 | 2 | US-08-788-279-4 | Sequence 4, Appl1 |
| 434 | 34 | 3.4 | 4335 | 3 | US-09-058-489-19 | Sequence 19, Appl | 507 | 33 | 3.3 | 6246 | 3 | US-08-943-731-640 | Sequence 640, App |
| 435 | 34 | 3.4 | 4668 | 3 | US-09-045-501-1 | Sequence 1, Appl1 | 508 | 33 | 3.3 | 7210 | 2 | US-08-257-963B-10 | Sequence 10, Appl1 |
| 436 | 34 | 3.4 | 4803 | 3 | US-09-197-636-1 | Sequence 1, Appl1 | 509 | 33 | 3.3 | 7210 | 4 | US-08-367-842A-10 | Sequence 10, Appl1 |
| 437 | 34 | 3.4 | 4803 | 3 | US-09-197-636-3 | Sequence 3, Appl1 | 510 | 33 | 3.3 | 7210 | 5 | PCT-US95-07201-10 | Sequence 10, Appl1 |
| 438 | 34 | 3.4 | 6464 | 2 | US-08-400-159-5 | Sequence 5, Appl1 | 511 | 33 | 3.3 | 7301 | 4 | US-09-816-094-3 | Sequence 3, Appl1 |
| 439 | 34 | 3.4 | 6464 | 3 | US-08-611-729A-5 | Sequence 5, Appl1 | 512 | 33 | 3.3 | 7705 | 2 | US-08-687-080-115 | Sequence 115, App |
| 440 | 34 | 3.4 | 7620 | 1 | US-07-767-135-1 | Sequence 1, Appl1 | 513 | 33 | 3.3 | 9377 | 4 | US-09-801-878-3 | Sequence 3, Appl1 |
| 441 | 34 | 3.4 | 7620 | 1 | US-07-841-652-1 | Sequence 1, Appl1 | 514 | 33 | 3.3 | 13187 | 4 | US-09-422-936-61 | Sequence 61, Appl1 |
| 442 | 34 | 3.4 | 8220 | 4 | US-09-797-908-3 | Sequence 3, Appl1 | 515 | 33 | 3.3 | 14581 | 4 | US-08-520-372D-4 | Sequence 4, Appl1 |
| 443 | 34 | 3.4 | 8517 | 3 | US-08-827-208-1 | Sequence 1, Appl1 | 516 | 33 | 3.3 | 14753 | 4 | US-09-821-736-3 | Sequence 3, Appl1 |
| 444 | 34 | 3.4 | 8517 | 3 | US-09-500-358-1 | Sequence 1, Appl1 | 517 | 33 | 3.3 | 38844 | 4 | US-09-734-675-3 | Sequence 3, Appl1 |
| 445 | 34 | 3.4 | 8517 | 3 | US-09-498-809-1 | Sequence 3, Appl1 | 518 | 33 | 3.3 | 50000 | 4 | US-09-146-053-3 | Sequence 3, Appl1 |
| 446 | 34 | 3.4 | 10684 | 3 | US-08-618-100B-3 | Sequence 3, Appl1 | 519 | 33 | 3.3 | 62804 | 4 | US-09-800-960-3 | Sequence 3, Appl1 |
| 447 | 34 | 3.4 | 12597 | 4 | US-09-705-209-12 | Sequence 12, Appl1 | 520 | 33 | 3.3 | 62804 | 4 | US-09-800-960-3 | Sequence 3, Appl1 |
| 448 | 34 | 3.4 | 13674 | 2 | US-08-852-807-1 | Sequence 1, Appl1 | 521 | 33 | 3.3 | 80246 | 3 | US-09-078-294-4 | Sequence 4, Appl1 |
| 449 | 34 | 3.4 | 16389 | 4 | US-09-741-154-3 | Sequence 3, Appl1 | 522 | 33 | 3.3 | 80595 | 3 | US-09-078-294-3 | Sequence 3, Appl1 |
| 450 | 34 | 3.4 | 17606 | 3 | US-08-943-731-4 | Sequence 4, Appl1 | 523 | 33 | 3.3 | 176373 | 3 | US-09-128-155-17 | Sequence 17, Appl1 |
| 451 | 34 | 3.4 | 18073 | 3 | US-09-078-294-12 | Sequence 12, Appl | 524 | 32 | 3.2 | 421 | 2 | US-08-332-766A-25 | Sequence 25, Appl1 |
| 452 | 34 | 3.4 | 18443 | 3 | US-09-078-294-6 | Sequence 6, Appl1 | 525 | 32 | 3.2 | 454 | 4 | US-09-152-060-32 | Sequence 32, Appl1 |
| 453 | 34 | 3.4 | 38653 | 4 | US-09-922-445-1 | Sequence 1, Appl1 | 526 | 32 | 3.2 | 609 | 3 | US-09-385-982-237 | Sequence 237, App |
| 454 | 34 | 3.4 | 38844 | 4 | US-09-734-675-3 | Sequence 3, Appl1 | 527 | 32 | 3.2 | 622 | 4 | US-09-495-050A-11 | Sequence 11, Appl1 |
| 455 | 34 | 3.4 | 65042 | 4 | US-09-784-316-3 | Sequence 3, Appl1 | 528 | 32 | 3.2 | 646 | 3 | US-09-385-982-314 | Sequence 314, App |
| 456 | 34 | 3.4 | 74962 | 4 | US-09-685-853A-3 | Sequence 3, Appl1 | 529 | 32 | 3.2 | 774 | 3 | US-08-755-587-20 | Sequence 20, Appl1 |
| 457 | 34 | 3.4 | 112132 | 4 | US-09-741-150-3 | Sequence 3, Appl1 | 530 | 32 | 3.2 | 793 | 2 | US-08-967-101-121 | Sequence 121, App |
| 458 | 34 | 3.4 | 152331 | 3 | US-09-128-155-16 | Sequence 16, Appl | 531 | 32 | 3.2 | 793 | 2 | US-08-592-541-121 | Sequence 121, App |
| 459 | 33 | 3.3 | 517 | 1 | US-08-480-784-33 | Sequence 33, Appl1 | 532 | 32 | 3.2 | 793 | 3 | US-09-124-698-121 | Sequence 121, App |
| 460 | 33 | 3.3 | 517 | 1 | US-08-483-553-33 | Sequence 33, Appl1 | 533 | 32 | 3.2 | 793 | 3 | US-09-124-698-121 | Sequence 121, App |
| 461 | 33 | 3.3 | 517 | 1 | US-08-487-002-33 | Sequence 33, Appl1 | 534 | 32 | 3.2 | 793 | 3 | US-08-496-841C-121 | Sequence 121, App |
| 462 | 33 | 3.3 | 517 | 1 | US-08-483-554B-33 | Sequence 33, Appl1 | 535 | 32 | 3.2 | 793 | 4 | US-09-124-523-121 | Sequence 121, App |
| 463 | 33 | 3.3 | 517 | 1 | US-08-488-011B-33 | Sequence 33, Appl1 | 536 | 32 | 3.2 | 793 | 4 | US-09-636-796A-121 | Sequence 121, App |
| 464 | 33 | 3.3 | 517 | 1 | US-08-850-727-33 | Sequence 33, Appl1 | 537 | 32 | 3.2 | 793 | 4 | US-08-431-048F-121 | Sequence 121, App |
| 465 | 33 | 3.3 | 517 | 5 | PCT-US95-10202-33 | Sequence 33, Appl1 | 538 | 32 | 3.2 | 826 | 4 | US-09-288-143-45 | Sequence 45, Appl1 |

| | | | | | | | | | | | | |
|-------|----|-----|-------|---|--------------------|---------------------|-------|-----|--------|---|--------------------|--------------------|
| C 539 | 32 | 3.2 | 940 | 4 | US-09-659-791A-11 | Sequence 11, App1 | 612 | 3.2 | 13953 | 4 | US-09-738-884-3 | Sequence 3, App1 |
| C 540 | 32 | 3.2 | 995 | 4 | US-09-671-317-59 | Sequence 59, App1 | C 613 | 3.2 | 19011 | 1 | US-08-310-355-36 | Sequence 36, App1 |
| C 541 | 32 | 3.2 | 1001 | 4 | US-09-641-638-376 | Sequence 376, App1 | C 614 | 3.2 | 15957 | 5 | PCT-US92-06300-1 | Sequence 1, App1 |
| C 542 | 32 | 3.2 | 1001 | 4 | US-09-671-317-171 | Sequence 171, App1 | C 615 | 3.2 | 19650 | 4 | US-09-819-989-3 | Sequence 3, App1 |
| C 543 | 32 | 3.2 | 1011 | 3 | US-09-018-584A-28 | Sequence 28, App1 | C 616 | 3.2 | 20674 | 4 | US-09-641-638-651 | Sequence 651, App1 |
| C 544 | 32 | 3.2 | 1011 | 3 | US-09-018-584A-29 | Sequence 29, App1 | C 617 | 3.2 | 21784 | 4 | US-09-820-002-3 | Sequence 3, App1 |
| C 545 | 32 | 3.2 | 1024 | 4 | US-09-328-475C-7 | Sequence 7, App1 | C 618 | 3.2 | 26664 | 4 | US-09-564-805-28 | Sequence 28, App1 |
| C 546 | 32 | 3.2 | 1083 | 2 | US-09-057-762-24 | Sequence 24, App1 | C 619 | 3.2 | 28001 | 4 | US-09-819-993-3 | Sequence 3, App1 |
| C 547 | 32 | 3.2 | 1083 | 2 | US-08-326-119A-24 | Sequence 24, App1 | C 620 | 3.2 | 32654 | 4 | US-09-301-191A-3 | Sequence 3, App1 |
| C 548 | 32 | 3.2 | 1247 | 3 | US-09-178-115-110 | Sequence 110, App1 | C 621 | 3.2 | 36741 | 3 | US-09-801-665-3 | Sequence 3, App1 |
| C 549 | 32 | 3.2 | 1247 | 3 | US-09-177-776-110 | Sequence 110, App1 | C 622 | 3.2 | 43069 | 4 | US-09-292-542A-1 | Sequence 1, App1 |
| C 550 | 32 | 3.2 | 1361 | 4 | US-09-489-847-64 | Sequence 64, App1 | C 623 | 3.2 | 43069 | 4 | US-09-292-542A-1 | Sequence 1, App1 |
| C 551 | 32 | 3.2 | 1407 | 4 | US-09-482-273-32 | Sequence 32, App1 | C 624 | 3.2 | 43795 | 4 | US-08-742-185-101 | Sequence 101, App1 |
| C 552 | 32 | 3.2 | 1430 | 4 | US-09-369-247-31 | Sequence 31, App1 | C 625 | 3.2 | 44546 | 4 | US-09-146-053-6 | Sequence 6, App1 |
| C 553 | 32 | 3.2 | 1430 | 4 | US-09-369-247-31 | Sequence 57, App1 | C 626 | 3.2 | 49136 | 4 | US-09-422-863-1 | Sequence 1, App1 |
| C 554 | 32 | 3.2 | 1541 | 6 | US-09-369-247-57 | Sequence 57, App1 | C 627 | 3.2 | 72604 | 4 | US-09-268-999-7 | Sequence 7, App1 |
| C 555 | 32 | 3.2 | 1542 | 1 | US-07-978-895-1 | Sequence 1, App1 | C 628 | 3.2 | 72604 | 4 | US-09-657-474-7 | Sequence 7, App1 |
| C 556 | 32 | 3.2 | 1542 | 1 | US-08-473-119-1 | Sequence 1, App1 | C 629 | 3.2 | 148567 | 4 | US-09-801-876B-3 | Sequence 3, App1 |
| C 557 | 32 | 3.2 | 1542 | 2 | US-08-475-352-1 | Sequence 1, App1 | C 630 | 3.1 | 281 | 4 | US-09-495-050A-215 | Sequence 215, App1 |
| C 558 | 32 | 3.2 | 1544 | 3 | US-09-313-300-4 | Sequence 4, App1 | C 631 | 3.1 | 289 | 2 | US-08-481-658B-63 | Sequence 63, App1 |
| C 559 | 32 | 3.2 | 1624 | 3 | US-08-430-225A-19 | Sequence 19, App1 | C 632 | 3.1 | 289 | 2 | US-08-477-504A-63 | Sequence 63, App1 |
| C 560 | 32 | 3.2 | 1634 | 4 | US-09-320-132-111 | Sequence 111, App1 | C 633 | 3.1 | 289 | 2 | US-08-486-756A-63 | Sequence 63, App1 |
| C 561 | 32 | 3.2 | 1853 | 4 | US-09-439-313-369 | Sequence 369, App1 | C 634 | 3.1 | 289 | 2 | US-08-485-862B-63 | Sequence 63, App1 |
| C 562 | 32 | 3.2 | 1853 | 4 | US-09-439-313-369 | Sequence 369, App1 | C 635 | 3.1 | 289 | 2 | US-08-486-756A-63 | Sequence 63, App1 |
| C 563 | 32 | 3.2 | 1853 | 4 | US-09-439-313-369 | Sequence 369, App1 | C 636 | 3.1 | 289 | 2 | US-08-486-756A-63 | Sequence 63, App1 |
| C 564 | 32 | 3.2 | 1853 | 4 | US-09-439-313-369 | Sequence 369, App1 | C 637 | 3.1 | 289 | 2 | US-08-486-756A-63 | Sequence 63, App1 |
| C 565 | 32 | 3.2 | 2133 | 3 | US-08-808-032-1 | Sequence 1, App1 | C 638 | 3.1 | 289 | 3 | US-08-485-862A-63 | Sequence 63, App1 |
| C 566 | 32 | 3.2 | 2184 | 4 | US-09-439-313-370 | Sequence 370, App1 | C 639 | 3.1 | 289 | 3 | US-09-178-115-63 | Sequence 63, App1 |
| C 567 | 32 | 3.2 | 2184 | 4 | US-09-062-451-296 | Sequence 296, App1 | C 640 | 3.1 | 289 | 3 | US-09-177-776-63 | Sequence 63, App1 |
| C 568 | 32 | 3.2 | 2184 | 4 | US-09-352-616A-370 | Sequence 370, App1 | C 641 | 3.1 | 321 | 3 | US-09-385-982-366 | Sequence 366, App1 |
| C 569 | 32 | 3.2 | 2184 | 4 | US-09-352-616A-370 | Sequence 370, App1 | C 642 | 3.1 | 456 | 4 | US-09-495-050A-215 | Sequence 215, App1 |
| C 570 | 32 | 3.2 | 2201 | 1 | US-09-889-198-296 | Sequence 296, App1 | C 643 | 3.1 | 492 | 4 | US-08-946-026-43 | Sequence 43, App1 |
| C 571 | 32 | 3.2 | 2501 | 3 | US-08-787-739-58 | Sequence 58, App1 | C 644 | 3.1 | 619 | 4 | US-09-152-060-17 | Sequence 17, App1 |
| C 572 | 32 | 3.2 | 2501 | 3 | US-08-787-739-58 | Sequence 58, App1 | C 645 | 3.1 | 631 | 4 | US-09-385-982-354 | Sequence 354, App1 |
| C 573 | 32 | 3.2 | 2501 | 3 | US-09-178-115-58 | Sequence 58, App1 | C 646 | 3.1 | 655 | 4 | US-09-227-357-100 | Sequence 100, App1 |
| C 574 | 32 | 3.2 | 2643 | 4 | US-09-016-434-1398 | Sequence 1398, App1 | C 647 | 3.1 | 757 | 2 | US-08-692-787-3 | Sequence 3, App1 |
| C 575 | 32 | 3.2 | 2813 | 4 | US-09-689-255C-3 | Sequence 3, App1 | C 648 | 3.1 | 757 | 2 | US-09-097-199-3 | Sequence 3, App1 |
| C 576 | 32 | 3.2 | 2892 | 2 | US-08-874-186-44 | Sequence 44, App1 | C 649 | 3.1 | 780 | 3 | US-09-385-982-32 | Sequence 32, App1 |
| C 577 | 32 | 3.2 | 2972 | 1 | US-08-453-695A-114 | Sequence 114, App1 | C 650 | 3.1 | 896 | 3 | US-08-943-731-31 | Sequence 31, App1 |
| C 578 | 32 | 3.2 | 2972 | 1 | US-08-453-695A-114 | Sequence 114, App1 | C 651 | 3.1 | 907 | 4 | US-09-996-243-398 | Sequence 398, App1 |
| C 579 | 32 | 3.2 | 2972 | 2 | US-08-453-695A-114 | Sequence 114, App1 | C 652 | 3.1 | 956 | 4 | US-09-369-247-47 | Sequence 47, App1 |
| C 580 | 32 | 3.2 | 2972 | 2 | US-09-099-639-114 | Sequence 114, App1 | C 653 | 3.1 | 988 | 3 | US-08-642-274D-53 | Sequence 53, App1 |
| C 581 | 32 | 3.2 | 2972 | 2 | US-09-099-639-114 | Sequence 114, App1 | C 654 | 3.1 | 988 | 3 | US-08-952-014C-53 | Sequence 53, App1 |
| C 582 | 32 | 3.2 | 3001 | 5 | PCT-US95-08071-114 | Sequence 114, App1 | C 655 | 3.1 | 1001 | 4 | US-09-641-638-401 | Sequence 401, App1 |
| C 583 | 32 | 3.2 | 3001 | 5 | PCT-US95-08071-114 | Sequence 204, App1 | C 656 | 3.1 | 1001 | 4 | US-09-671-317-286 | Sequence 286, App1 |
| C 584 | 32 | 3.2 | 3532 | 3 | US-08-787-739-90 | Sequence 90, App1 | C 657 | 3.1 | 1001 | 4 | US-09-671-317-286 | Sequence 287, App1 |
| C 585 | 32 | 3.2 | 3532 | 3 | US-09-178-115-90 | Sequence 90, App1 | C 658 | 3.1 | 1176 | 4 | US-09-461-325-43 | Sequence 43, App1 |
| C 586 | 32 | 3.2 | 3532 | 3 | US-09-177-776-90 | Sequence 90, App1 | C 659 | 3.1 | 1188 | 4 | US-09-227-357-49 | Sequence 49, App1 |
| C 587 | 32 | 3.2 | 3590 | 4 | US-08-587-889-1 | Sequence 1, App1 | C 660 | 3.1 | 1220 | 4 | US-09-205-258-140 | Sequence 140, App1 |
| C 588 | 32 | 3.2 | 3590 | 4 | US-09-016-434-1093 | Sequence 1093, App1 | C 661 | 3.1 | 1252 | 3 | US-08-481-658B-44 | Sequence 44, App1 |
| C 589 | 32 | 3.2 | 3590 | 5 | PCT-US96-09193-1 | Sequence 1, App1 | C 662 | 3.1 | 1334 | 2 | US-08-477-504A-44 | Sequence 44, App1 |
| C 590 | 32 | 3.2 | 4220 | 1 | US-09-333-593A-1 | Sequence 1, App1 | C 663 | 3.1 | 1334 | 2 | US-08-477-504A-44 | Sequence 44, App1 |
| C 591 | 32 | 3.2 | 4220 | 1 | US-08-832-883-66 | Sequence 66, App1 | C 664 | 3.1 | 1334 | 2 | US-08-486-756A-44 | Sequence 44, App1 |
| C 592 | 32 | 3.2 | 4220 | 2 | US-08-832-883-66 | Sequence 66, App1 | C 665 | 3.1 | 1334 | 2 | US-08-486-756A-44 | Sequence 44, App1 |
| C 593 | 32 | 3.2 | 4853 | 2 | US-08-881-450A-22 | Sequence 22, App1 | C 666 | 3.1 | 1334 | 2 | US-08-486-756A-44 | Sequence 44, App1 |
| C 594 | 32 | 3.2 | 5615 | 4 | US-09-302-769-47 | Sequence 47, App1 | C 667 | 3.1 | 1334 | 3 | US-08-787-739-44 | Sequence 44, App1 |
| C 595 | 32 | 3.2 | 6027 | 4 | US-09-620-312D-517 | Sequence 517, App1 | C 668 | 3.1 | 1334 | 3 | US-08-487-077A-44 | Sequence 44, App1 |
| C 596 | 32 | 3.2 | 7720 | 4 | US-09-318-448-5 | Sequence 5, App1 | C 669 | 3.1 | 1334 | 3 | US-08-485-863A-44 | Sequence 44, App1 |
| C 597 | 32 | 3.2 | 8396 | 4 | US-09-328-174A-1 | Sequence 1, App1 | C 670 | 3.1 | 1334 | 3 | US-08-485-863A-44 | Sequence 44, App1 |
| C 598 | 32 | 3.2 | 8409 | 3 | US-09-167-681-37 | Sequence 37, App1 | C 671 | 3.1 | 1334 | 3 | US-09-178-115-44 | Sequence 44, App1 |
| C 599 | 32 | 3.2 | 9573 | 4 | US-09-220-132-168 | Sequence 168, App1 | C 672 | 3.1 | 1334 | 4 | US-09-177-776-44 | Sequence 44, App1 |
| C 600 | 32 | 3.2 | 10898 | 2 | US-08-481-658B-5 | Sequence 5, App1 | C 673 | 3.1 | 1334 | 4 | US-09-305-258-104 | Sequence 104, App1 |
| C 601 | 32 | 3.2 | 10898 | 2 | US-08-477-504A-5 | Sequence 5, App1 | C 674 | 3.1 | 1334 | 4 | US-09-461-325-22 | Sequence 22, App1 |
| C 602 | 32 | 3.2 | 10898 | 2 | US-08-486-756A-5 | Sequence 5, App1 | C 675 | 3.1 | 1334 | 4 | US-09-058-389A-12 | Sequence 12, App1 |
| C 603 | 32 | 3.2 | 10898 | 2 | US-08-485-862B-5 | Sequence 5, App1 | C 676 | 3.1 | 1334 | 4 | US-09-611-781-12 | Sequence 12, App1 |
| C 604 | 32 | 3.2 | 10898 | 3 | US-08-787-739-5 | Sequence 5, App1 | C 677 | 3.1 | 1334 | 4 | US-09-620-312D-382 | Sequence 382, App1 |
| C 605 | 32 | 3.2 | 10898 | 3 | US-08-487-077A-5 | Sequence 5, App1 | C 678 | 3.1 | 1334 | 4 | US-09-620-312D-382 | Sequence 382, App1 |
| C 606 | 32 | 3.2 | 10898 | 3 | US-08-485-863A-5 | Sequence 5, App1 | C 679 | 3.1 | 1334 | 4 | US-09-620-312D-382 | Sequence 382, App1 |
| C 607 | 32 | 3.2 | 10898 | 3 | US-08-485-863A-5 | Sequence 5, App1 | C 680 | 3.1 | 1334 | 4 | US-09-620-312D-382 | Sequence 382, App1 |
| C 608 | 32 | 3.2 | 10898 | 3 | US-09-178-115-5 | Sequence 5, App1 | C 681 | 3.1 | 1334 | 4 | US-09-620-312D-382 | Sequence 382, App1 |
| C 609 | 32 | 3.2 | 10898 | 3 | US-09-178-115-5 | Sequence 5, App1 | C 682 | 3.1 | 1334 | 4 | US-09-620-312D-382 | Sequence 382, App1 |
| C 610 | 32 | 3.2 | 11298 | 1 | US-07-669-933-31 | Sequence 31, App1 | C 683 | 3.1 | 2280 | 4 | US-09-736-457-321 | Sequence 321, App1 |
| C 611 | 32 | 3.2 | 11298 | 1 | US-08-201-879A-2 | Sequence 2, App1 | C 684 | 3.1 | 2294 | 4 | US-09-414-010-3 | Sequence 3, App1 |
| C 612 | 32 | 3.2 | 11298 | 3 | US-09-103-663-31 | Sequence 31, App1 | C 685 | 3.1 | 2505 | 3 | US-09-097-199-85 | Sequence 85, App1 |

| | | | | | | | | | | | | | |
|-------|----|-----|-------|---|--------------------|--------------------|-------|----|-----|------|---|--------------------|--------------------|
| C 685 | 31 | 3.1 | 2539 | 4 | US-09-650-454-22 | Sequence 22, Appl | C 758 | 30 | 3.0 | 317 | 3 | US-09-385-982-109 | Sequence 109, App |
| 686 | 31 | 3.1 | 2589 | 6 | 5212286-1 | Patent No. 5212286 | C 759 | 30 | 3.0 | 341 | 4 | US-09-404-879A-136 | Sequence 136, App |
| 687 | 31 | 3.1 | 2598 | 4 | US-09-026-033-18 | Sequence 18, Appl | C 760 | 30 | 3.0 | 341 | 4 | US-09-338-933-135 | Sequence 135, App |
| 688 | 31 | 3.1 | 2821 | 2 | US-08-680-395-6 | Sequence 6, Appl | C 761 | 30 | 3.0 | 341 | 4 | US-09-215-681-135 | Sequence 135, App |
| C 689 | 31 | 3.1 | 2861 | 2 | US-08-770-301A-12 | Sequence 12, Appl | C 762 | 30 | 3.0 | 341 | 4 | US-09-702-705-1626 | Sequence 1626, App |
| C 690 | 31 | 3.1 | 2861 | 3 | US-09-175-581-12 | Sequence 12, Appl | C 763 | 30 | 3.0 | 341 | 4 | US-09-736-457-1626 | Sequence 1626, App |
| C 691 | 31 | 3.1 | 2991 | 3 | US-08-795-430-48 | Sequence 48, Appl | C 764 | 30 | 3.0 | 446 | 2 | US-08-332-766A-26 | Sequence 26, Appl |
| C 692 | 31 | 3.1 | 2991 | 4 | US-09-355-700-48 | Sequence 48, Appl | C 765 | 30 | 3.0 | 457 | 4 | US-09-643-597-306 | Sequence 306, App |
| C 693 | 31 | 3.1 | 3001 | 4 | US-09-539-333D-187 | Sequence 187, App | C 766 | 30 | 3.0 | 457 | 4 | US-09-480-884A-306 | Sequence 306, App |
| C 694 | 31 | 3.1 | 3001 | 4 | US-09-539-333D-195 | Sequence 195, App | C 767 | 30 | 3.0 | 457 | 4 | US-09-542-615A-306 | Sequence 306, App |
| C 695 | 31 | 3.1 | 3158 | 2 | US-08-464-517-36 | Sequence 36, App | C 768 | 30 | 3.0 | 457 | 4 | US-09-506-421B-306 | Sequence 306, App |
| 696 | 31 | 3.1 | 3158 | 2 | US-08-246-361A-36 | Sequence 36, App | C 769 | 30 | 3.0 | 461 | 4 | US-09-404-879A-13 | Sequence 13, Appl |
| 697 | 31 | 3.1 | 3158 | 2 | US-08-463-772-36 | Sequence 36, App | C 770 | 30 | 3.0 | 461 | 4 | US-09-404-879A-13 | Sequence 13, Appl |
| C 698 | 31 | 3.1 | 3158 | 2 | US-08-463-772-36 | Sequence 36, App | C 771 | 30 | 3.0 | 461 | 4 | US-09-338-933-13 | Sequence 13, Appl |
| C 699 | 31 | 3.1 | 3425 | 1 | US-08-273-411-2 | Sequence 2, Appl | C 772 | 30 | 3.0 | 461 | 4 | US-09-338-933-13 | Sequence 13, Appl |
| C 700 | 31 | 3.1 | 3425 | 1 | US-09-800-971-1 | Sequence 1, Appl | C 773 | 30 | 3.0 | 461 | 4 | US-09-338-933-13 | Sequence 13, Appl |
| 701 | 31 | 3.1 | 3805 | 4 | US-09-026-033-17 | Sequence 17, Appl | C 774 | 30 | 3.0 | 461 | 4 | US-09-315-681-3 | Sequence 1, Appl |
| 702 | 31 | 3.1 | 3805 | 4 | US-09-108-006C-3 | Sequence 3, Appl | C 775 | 30 | 3.0 | 461 | 4 | US-09-315-681-3 | Sequence 1, Appl |
| 703 | 31 | 3.1 | 4078 | 4 | US-09-016-434-1109 | Sequence 1109, App | C 776 | 30 | 3.0 | 462 | 3 | US-09-328-111-79 | Sequence 79, Appl |
| 704 | 31 | 3.1 | 4183 | 3 | US-09-460-145-1 | Sequence 1, Appl | C 777 | 30 | 3.0 | 483 | 2 | US-08-475-844-14 | Sequence 14, Appl |
| 705 | 31 | 3.1 | 4183 | 3 | US-09-895-547-1 | Sequence 1, Appl | C 778 | 30 | 3.0 | 483 | 2 | PCT-US95-08429-14 | Sequence 21, Appl |
| 706 | 31 | 3.1 | 4233 | 3 | US-09-056-105-27 | Sequence 27, Appl | C 779 | 30 | 3.0 | 508 | 3 | US-09-058-389A-21 | Sequence 21, Appl |
| 707 | 31 | 3.1 | 4284 | 4 | US-09-662-350A-3 | Sequence 3, Appl | C 780 | 30 | 3.0 | 547 | 3 | US-08-991-789A-158 | Sequence 158, App |
| 708 | 31 | 3.1 | 4419 | 4 | US-09-620-312D-187 | Sequence 187, App | C 781 | 30 | 3.0 | 547 | 4 | US-09-062-451-158 | Sequence 158, App |
| 709 | 31 | 3.1 | 4895 | 3 | US-09-053-866-1 | Sequence 1, Appl | C 782 | 30 | 3.0 | 547 | 4 | US-09-062-451-158 | Sequence 158, App |
| C 710 | 31 | 3.1 | 4895 | 4 | US-09-479-130-1 | Sequence 1, Appl | C 783 | 30 | 3.0 | 547 | 4 | US-09-598-326-158 | Sequence 158, App |
| C 711 | 31 | 3.1 | 4895 | 4 | US-09-472-130A-1 | Sequence 1, Appl | C 784 | 30 | 3.0 | 566 | 4 | US-09-495-050X-112 | Sequence 132, App |
| C 712 | 31 | 3.1 | 5917 | 4 | US-09-780-175-17 | Sequence 17, Appl | C 785 | 30 | 3.0 | 578 | 3 | US-09-385-982-98 | Sequence 98, Appl |
| C 713 | 31 | 3.1 | 6354 | 4 | US-09-058-389A-5 | Sequence 5, Appl | C 786 | 30 | 3.0 | 582 | 3 | US-09-385-982-98 | Sequence 98, Appl |
| C 714 | 31 | 3.1 | 6354 | 4 | US-08-611-781-5 | Sequence 5, Appl | C 787 | 30 | 3.0 | 609 | 3 | US-09-385-982-98 | Sequence 98, Appl |
| C 715 | 31 | 3.1 | 6678 | 3 | US-08-816-617A-1 | Sequence 1, Appl | C 788 | 30 | 3.0 | 615 | 3 | US-09-385-982-98 | Sequence 98, Appl |
| 716 | 31 | 3.1 | 6987 | 4 | US-09-026-033-23 | Sequence 23, Appl | C 789 | 30 | 3.0 | 722 | 4 | US-09-227-357-112 | Sequence 112, App |
| 717 | 31 | 3.1 | 8342 | 4 | US-08-545-860D-63 | Sequence 63, Appl | C 790 | 30 | 3.0 | 752 | 4 | US-09-288-143-63 | Sequence 63, Appl |
| 718 | 31 | 3.1 | 8342 | 5 | PCT-US94-04496-63 | Sequence 63, Appl | C 791 | 30 | 3.0 | 769 | 3 | US-08-642-274D-28 | Sequence 28, Appl |
| 719 | 31 | 3.1 | 8382 | 1 | US-08-080-255-6 | Sequence 6, Appl | C 792 | 30 | 3.0 | 769 | 3 | US-08-952-014C-28 | Sequence 28, Appl |
| 720 | 31 | 3.1 | 8382 | 1 | US-08-465-713-6 | Sequence 6, Appl | C 793 | 30 | 3.0 | 776 | 4 | US-09-535-008-37 | Sequence 37, Appl |
| 721 | 31 | 3.1 | 8382 | 5 | PCT-US93-05857-6 | Sequence 6, Appl | C 794 | 30 | 3.0 | 851 | 4 | US-09-495-050A-138 | Sequence 138, App |
| 722 | 31 | 3.1 | 10079 | 2 | US-08-476-866-20 | Sequence 20, Appl | C 795 | 30 | 3.0 | 889 | 4 | US-09-227-357-88 | Sequence 88, App |
| 723 | 31 | 3.1 | 10825 | 3 | US-08-652-265-1 | Sequence 1, Appl | C 796 | 30 | 3.0 | 949 | 4 | US-09-247-155-148 | Sequence 148, App |
| 724 | 31 | 3.1 | 10825 | 3 | US-08-652-265-1 | Sequence 1, Appl | C 797 | 30 | 3.0 | 987 | 4 | US-09-671-317-466 | Sequence 466, App |
| 725 | 31 | 3.1 | 10825 | 3 | US-08-652-265-5 | Sequence 5, Appl | C 798 | 30 | 3.0 | 1001 | 4 | US-09-641-638-396 | Sequence 396, App |
| 726 | 31 | 3.1 | 10825 | 3 | US-08-652-265-7 | Sequence 7, Appl | C 799 | 30 | 3.0 | 1001 | 4 | US-09-641-638-396 | Sequence 396, App |
| 727 | 31 | 3.1 | 10825 | 3 | US-08-834-497A-1 | Sequence 1, Appl | C 800 | 30 | 3.0 | 1001 | 4 | US-09-641-638-396 | Sequence 396, App |
| 728 | 31 | 3.1 | 10825 | 3 | US-08-834-497A-3 | Sequence 3, Appl | C 801 | 30 | 3.0 | 1001 | 4 | US-09-671-317-184 | Sequence 184, App |
| 729 | 31 | 3.1 | 10825 | 3 | US-08-834-497A-5 | Sequence 5, Appl | C 802 | 30 | 3.0 | 1001 | 4 | US-09-671-317-185 | Sequence 185, App |
| 730 | 31 | 3.1 | 10825 | 3 | US-08-834-497A-7 | Sequence 7, Appl | C 803 | 30 | 3.0 | 1001 | 4 | US-09-671-317-268 | Sequence 268, App |
| 731 | 31 | 3.1 | 10825 | 3 | US-09-503-444A-1 | Sequence 1, Appl | C 804 | 30 | 3.0 | 1001 | 4 | US-09-671-317-270 | Sequence 270, App |
| 732 | 31 | 3.1 | 10825 | 3 | US-09-503-444A-3 | Sequence 3, Appl | C 805 | 30 | 3.0 | 1001 | 4 | US-09-671-317-273 | Sequence 273, App |
| 733 | 31 | 3.1 | 10825 | 3 | US-09-503-444A-5 | Sequence 5, Appl | C 806 | 30 | 3.0 | 1001 | 4 | US-09-671-317-455 | Sequence 455, App |
| 734 | 31 | 3.1 | 10825 | 3 | US-09-503-444A-7 | Sequence 7, Appl | C 807 | 30 | 3.0 | 1022 | 3 | US-08-943-731-210 | Sequence 210, App |
| 735 | 31 | 3.1 | 12146 | 4 | US-09-277-457-27 | Sequence 27, Appl | C 808 | 30 | 3.0 | 1024 | 4 | US-09-328-475C-51 | Sequence 51, Appl |
| 736 | 31 | 3.1 | 12146 | 4 | US-09-679-729-27 | Sequence 27, Appl | C 809 | 30 | 3.0 | 1037 | 4 | US-09-484-970B-130 | Sequence 130, App |
| C 737 | 31 | 3.1 | 12394 | 4 | US-09-488-856A-10 | Sequence 10, Appl | C 810 | 30 | 3.0 | 1106 | 3 | US-08-755-587-18 | Sequence 18, App |
| C 738 | 31 | 3.1 | 12847 | 1 | US-08-350-715-1 | Sequence 1, Appl | C 811 | 30 | 3.0 | 1125 | 4 | US-09-620-312D-661 | Sequence 661, App |
| 739 | 31 | 3.1 | 13205 | 4 | US-09-835-811-3 | Sequence 3, Appl | C 812 | 30 | 3.0 | 1183 | 3 | US-08-522-813-1 | Sequence 1, Appl |
| C 740 | 31 | 3.1 | 13953 | 4 | US-09-738-884-3 | Sequence 3, Appl | C 813 | 30 | 3.0 | 1236 | 4 | US-09-918-686-19 | Sequence 19, Appl |
| 741 | 31 | 3.1 | 15602 | 4 | US-09-844-634-17 | Sequence 17, Appl | C 814 | 30 | 3.0 | 1243 | 3 | US-09-103-875-16 | Sequence 16, Appl |
| 742 | 31 | 3.1 | 18609 | 4 | US-08-943-731-1 | Sequence 1, Appl | C 815 | 30 | 3.0 | 1250 | 3 | US-09-018-584A-36 | Sequence 36, Appl |
| C 743 | 31 | 3.1 | 18853 | 4 | US-09-820-005-3 | Sequence 3, Appl | C 816 | 30 | 3.0 | 1264 | 4 | US-09-690-454-32 | Sequence 32, Appl |
| C 744 | 31 | 3.1 | 24707 | 4 | US-09-852-067-3 | Sequence 3, Appl | C 817 | 30 | 3.0 | 1264 | 4 | US-09-690-454-32 | Sequence 32, Appl |
| C 745 | 31 | 3.1 | 31208 | 4 | US-09-740-027-3 | Sequence 3, Appl | C 818 | 30 | 3.0 | 1113 | 1 | US-08-446-925-6 | Sequence 6, Appl |
| 746 | 31 | 3.1 | 50000 | 4 | US-09-146-053-4 | Sequence 4, Appl | C 819 | 30 | 3.0 | 1113 | 1 | US-09-446-925-6 | Sequence 6, Appl |
| 747 | 31 | 3.1 | 55516 | 2 | US-08-996-306-1 | Sequence 1, Appl | C 820 | 30 | 3.0 | 1113 | 2 | US-08-896-885-6 | Sequence 6, Appl |
| 748 | 31 | 3.1 | 55516 | 3 | US-09-338-907-1 | Sequence 1, Appl | C 821 | 30 | 3.0 | 1113 | 4 | US-09-375-256-6 | Sequence 6, Appl |
| 749 | 31 | 3.1 | 55516 | 4 | US-09-218-207-1 | Sequence 1, Appl | C 822 | 30 | 3.0 | 1113 | 4 | US-09-375-256-6 | Sequence 6, Appl |
| 750 | 31 | 3.1 | 55520 | 3 | US-09-338-907-179 | Sequence 179, App | C 823 | 30 | 3.0 | 1120 | 4 | US-09-679-299A-3 | Sequence 22, Appl |
| 751 | 31 | 3.1 | 55520 | 4 | US-09-218-207-179 | Sequence 179, App | C 824 | 30 | 3.0 | 1238 | 4 | US-09-370-838-24 | Sequence 24, Appl |
| 752 | 31 | 3.1 | 98844 | 4 | US-09-791-211-10 | Sequence 10, Appl | C 825 | 30 | 3.0 | 1331 | 4 | US-09-370-838-27 | Sequence 27, Appl |
| 753 | 30 | 3.0 | 40 | 4 | US-09-060-023A-1 | Sequence 1, Appl | C 826 | 30 | 3.0 | 1333 | 4 | US-09-370-838-28 | Sequence 28, Appl |
| 754 | 30 | 3.0 | 200 | 1 | US-08-438-500-1 | Sequence 1, Appl | C 827 | 30 | 3.0 | 1355 | 4 | US-09-370-838-31 | Sequence 31, Appl |
| 755 | 30 | 3.0 | 200 | 1 | US-08-477-442-1 | Sequence 1, Appl | C 828 | 30 | 3.0 | 1381 | 2 | US-08-454-557C-49 | Sequence 49, Appl |
| 756 | 30 | 3.0 | 200 | 1 | PCT-US94-05910-1 | Sequence 1, Appl | C 829 | 30 | 3.0 | 1381 | 2 | US-08-340-426D-49 | Sequence 49, Appl |
| 757 | 30 | 3.0 | 227 | 3 | US-08-522-813-2 | Sequence 2, Appl | C 830 | 30 | 3.0 | 1381 | 2 | US-08-450-673C-49 | Sequence 49, Appl |

| | | | | | | | | | | | | | |
|-------|----|-----|------|---|---------------------|-------------------|-------|----|-----|-------|---|--------------------|-------------------|
| C 831 | 30 | 3.0 | 1381 | 5 | PCT-US95-17111A-49 | Sequence 49, Appl | C 904 | 30 | 3.0 | 4335 | 3 | US-08-974-549A-6 | Sequence 6, Appl |
| C 832 | 30 | 3.0 | 1418 | 5 | PCT-US95-17111A-120 | Sequence 120, App | C 905 | 30 | 3.0 | 4421 | 2 | US-08-257-963B-9 | Sequence 9, Appl |
| C 833 | 30 | 3.0 | 1442 | 2 | US-08-454-557C-120 | Sequence 120, App | C 906 | 30 | 3.0 | 4421 | 2 | US-08-367-841A-9 | Sequence 9, Appl |
| C 834 | 30 | 3.0 | 1442 | 2 | US-08-340-426D-120 | Sequence 120, App | C 907 | 30 | 3.0 | 4421 | 4 | US-08-520-337D-6 | Sequence 6, Appl |
| C 835 | 30 | 3.0 | 1442 | 2 | US-08-450-673C-120 | Sequence 120, App | C 908 | 30 | 3.0 | 4421 | 5 | PCT-US95-07201-9 | Sequence 9, Appl |
| C 836 | 30 | 3.0 | 1545 | 1 | US-08-446-923-4 | Sequence 4, Appl | C 909 | 30 | 3.0 | 4460 | 3 | US-09-103-875-4 | Sequence 4, Appl |
| C 837 | 30 | 3.0 | 1545 | 2 | US-09-146-331-4 | Sequence 4, Appl | C 910 | 30 | 3.0 | 4773 | 4 | US-08-884-324-9 | Sequence 2, Appl |
| C 838 | 30 | 3.0 | 1545 | 2 | US-08-896-885-4 | Sequence 4, Appl | C 911 | 30 | 3.0 | 4811 | 3 | US-09-569-852B-2 | Sequence 2, Appl |
| C 839 | 30 | 3.0 | 1545 | 4 | US-09-375-256-4 | Sequence 4, Appl | C 912 | 30 | 3.0 | 4823 | 2 | US-08-457-254-5 | Sequence 5, Appl |
| C 840 | 30 | 3.0 | 1545 | 4 | US-09-376-156-4 | Sequence 4, Appl | C 913 | 30 | 3.0 | 4823 | 2 | US-08-484-257-20 | Sequence 20, Appl |
| C 841 | 30 | 3.0 | 1545 | 4 | US-09-679-299A-17 | Sequence 17, Appl | C 914 | 30 | 3.0 | 4823 | 3 | US-08-999-922-5 | Sequence 5, Appl |
| C 842 | 30 | 3.0 | 1613 | 2 | US-08-812-204-1 | Sequence 1, Appl | C 915 | 30 | 3.0 | 4823 | 4 | US-08-461-819-5 | Sequence 5, Appl |
| C 843 | 30 | 3.0 | 1758 | 4 | US-09-370-838-25 | Sequence 25, Appl | C 916 | 30 | 3.0 | 4823 | 5 | PCT-US94-08806-8 | Sequence 28, Appl |
| C 844 | 30 | 3.0 | 1950 | 1 | US-08-592-126-93 | Sequence 93, Appl | C 917 | 30 | 3.0 | 4823 | 5 | PCT-US95-01829-5 | Sequence 5, Appl |
| C 845 | 30 | 3.0 | 1950 | 4 | US-09-168-595-93 | Sequence 93, Appl | C 918 | 30 | 3.0 | 4823 | 5 | PCT-US95-16626-5 | Sequence 5, Appl |
| C 846 | 30 | 3.0 | 2000 | 3 | US-09-039-555B-19 | Sequence 19, Appl | C 919 | 30 | 3.0 | 4858 | 4 | US-09-595-684B-8 | Sequence 28, Appl |
| C 847 | 30 | 3.0 | 2040 | 1 | US-08-599-252-103 | Sequence 103, App | C 920 | 30 | 3.0 | 5039 | 4 | US-09-386-816C-1 | Sequence 1, Appl |
| C 848 | 30 | 3.0 | 2040 | 5 | PCT-US96-06352-103 | Sequence 103, App | C 921 | 30 | 3.0 | 5044 | 4 | US-09-735-933-3 | Sequence 3, Appl |
| C 849 | 30 | 3.0 | 2040 | 5 | PCT-US96-06583-103 | Sequence 103, App | C 922 | 30 | 3.0 | 5095 | 1 | US-08-092-817-3 | Sequence 3, Appl |
| C 850 | 30 | 3.0 | 2125 | 3 | US-09-305-639-6 | Sequence 6, Appl | C 923 | 30 | 3.0 | 5095 | 4 | US-08-485-128-3 | Sequence 3, Appl |
| C 851 | 30 | 3.0 | 2150 | 4 | US-09-461-325-76 | Sequence 76, Appl | C 924 | 30 | 3.0 | 5143 | 1 | US-08-574-043A-7 | Sequence 7, Appl |
| C 852 | 30 | 3.0 | 2191 | 4 | US-09-482-273-79 | Sequence 79, Appl | C 925 | 30 | 3.0 | 5143 | 2 | US-08-795-015-7 | Sequence 7, Appl |
| C 853 | 30 | 3.0 | 2254 | 1 | US-08-153-848-27 | Sequence 27, Appl | C 926 | 30 | 3.0 | 5232 | 3 | US-09-212-971-3 | Sequence 3, Appl |
| C 854 | 30 | 3.0 | 2254 | 3 | US-09-239-843A-27 | Sequence 27, Appl | C 927 | 30 | 3.0 | 5232 | 3 | US-08-800-928A-3 | Sequence 3, Appl |
| C 855 | 30 | 3.0 | 2254 | 4 | US-09-088-337B-27 | Sequence 27, Appl | C 928 | 30 | 3.0 | 5232 | 4 | US-09-617-053A-3 | Sequence 3, Appl |
| C 856 | 30 | 3.0 | 2254 | 5 | PCT-US93-11153-27 | Sequence 27, Appl | C 929 | 30 | 3.0 | 5232 | 2 | US-08-687-080-101 | Sequence 101, App |
| C 857 | 30 | 3.0 | 2349 | 4 | US-09-489-847-41 | Sequence 41, Appl | C 930 | 30 | 3.0 | 5835 | 3 | US-09-033-333-3 | Sequence 3, Appl |
| C 858 | 30 | 3.0 | 2377 | 4 | US-08-556-627A-3 | Sequence 3, Appl | C 931 | 30 | 3.0 | 5835 | 4 | US-09-033-556-2 | Sequence 2, Appl |
| C 859 | 30 | 3.0 | 2386 | 3 | US-09-058-389A-10 | Sequence 10, Appl | C 932 | 30 | 3.0 | 5835 | 4 | US-09-614-495-3 | Sequence 3, Appl |
| C 860 | 30 | 3.0 | 2386 | 4 | US-09-611-781-10 | Sequence 10, Appl | C 933 | 30 | 3.0 | 5836 | 1 | US-08-380-916-1 | Sequence 1, Appl |
| C 861 | 30 | 3.0 | 2933 | 1 | US-08-480-449-1 | Sequence 1, Appl | C 934 | 30 | 3.0 | 5836 | 3 | US-08-721-690-1 | Sequence 1, Appl |
| C 862 | 30 | 3.0 | 2933 | 2 | US-08-660-542-1 | Sequence 1, Appl | C 935 | 30 | 3.0 | 5836 | 3 | US-08-891-581-1 | Sequence 1, Appl |
| C 863 | 30 | 3.0 | 2933 | 4 | US-08-479-603-1 | Sequence 1, Appl | C 936 | 30 | 3.0 | 5836 | 3 | US-09-033-333-2 | Sequence 2, Appl |
| C 864 | 30 | 3.0 | 2933 | 4 | US-08-939-107-1 | Sequence 1, Appl | C 937 | 30 | 3.0 | 5836 | 4 | US-09-033-556-1 | Sequence 1, Appl |
| C 865 | 30 | 3.0 | 2933 | 4 | US-08-931-764-1 | Sequence 1, Appl | C 938 | 30 | 3.0 | 5836 | 4 | US-09-614-495-2 | Sequence 2, Appl |
| C 866 | 30 | 3.0 | 2933 | 4 | US-09-591-992-1 | Sequence 1, Appl | C 939 | 30 | 3.0 | 5836 | 4 | US-09-474-699-9 | Sequence 9, Appl |
| C 867 | 30 | 3.0 | 2937 | 3 | US-09-232-878-5 | Sequence 5, Appl | C 940 | 30 | 3.0 | 6038 | 3 | US-09-305-639-4 | Sequence 4, Appl |
| C 868 | 30 | 3.0 | 2932 | 4 | US-09-016-434-1419 | Sequence 1413, Ap | C 941 | 30 | 3.0 | 6038 | 4 | US-09-525-160B-2 | Sequence 2, Appl |
| C 869 | 30 | 3.0 | 2957 | 2 | US-08-394-152A-48 | Sequence 48, Appl | C 942 | 30 | 3.0 | 6466 | 3 | US-08-943-731-640 | Sequence 640, App |
| C 870 | 30 | 3.0 | 3001 | 4 | US-09-539-333D-116 | Sequence 136, App | C 943 | 30 | 3.0 | 6669 | 3 | US-09-212-971-5 | Sequence 5, Appl |
| C 871 | 30 | 3.0 | 3001 | 4 | US-09-539-333D-157 | Sequence 157, App | C 944 | 30 | 3.0 | 6669 | 4 | US-08-800-928A-5 | Sequence 5, Appl |
| C 872 | 30 | 3.0 | 3001 | 4 | US-09-539-333D-188 | Sequence 188, App | C 945 | 30 | 3.0 | 6669 | 4 | US-09-617-053A-5 | Sequence 5, Appl |
| C 873 | 30 | 3.0 | 3001 | 4 | US-09-539-333D-194 | Sequence 194, App | C 946 | 30 | 3.0 | 6990 | 4 | US-09-620-312D-155 | Sequence 155, App |
| C 874 | 30 | 3.0 | 3001 | 4 | US-09-539-333D-229 | Sequence 229, App | C 947 | 30 | 3.0 | 7452 | 3 | US-08-592-500-1 | Sequence 1, Appl |
| C 875 | 30 | 3.0 | 3017 | 2 | US-08-394-152A-39 | Sequence 39, Appl | C 948 | 30 | 3.0 | 7452 | 3 | US-08-195-006-1 | Sequence 1, Appl |
| C 876 | 30 | 3.0 | 3017 | 4 | US-08-705-477B-39 | Sequence 39, Appl | C 949 | 30 | 3.0 | 7452 | 5 | PCT-US94-07644A-1 | Sequence 1, Appl |
| C 877 | 30 | 3.0 | 3017 | 4 | US-08-705-477B-128 | Sequence 128, App | C 950 | 30 | 3.0 | 7622 | 3 | US-09-305-639-1 | Sequence 1, Appl |
| C 878 | 30 | 3.0 | 3017 | 4 | US-08-705-477B-128 | Sequence 128, App | C 951 | 30 | 3.0 | 7622 | 4 | US-09-525-160B-1 | Sequence 1, Appl |
| C 879 | 30 | 3.0 | 3027 | 4 | US-09-620-312D-563 | Sequence 563, App | C 952 | 30 | 3.0 | 8835 | 3 | US-08-884-324-10 | Sequence 10, Appl |
| C 880 | 30 | 3.0 | 3061 | 4 | US-09-620-312D-140 | Sequence 140, App | C 953 | 30 | 3.0 | 8878 | 1 | US-08-206-176-3 | Sequence 3, Appl |
| C 881 | 30 | 3.0 | 3077 | 4 | US-08-705-477B-90 | Sequence 90, Appl | C 954 | 30 | 3.0 | 9301 | 4 | US-09-449-218D-18 | Sequence 18, Appl |
| C 882 | 30 | 3.0 | 3077 | 4 | US-08-705-477B-90 | Sequence 90, Appl | C 955 | 30 | 3.0 | 9301 | 4 | US-09-668-528A-18 | Sequence 18, Appl |
| C 883 | 30 | 3.0 | 3089 | 4 | US-09-596-243-46 | Sequence 46, Appl | C 956 | 30 | 3.0 | 9301 | 4 | US-09-668-037A-18 | Sequence 18, Appl |
| C 884 | 30 | 3.0 | 3172 | 4 | US-08-978-289-11 | Sequence 11, Appl | C 957 | 30 | 3.0 | 9704 | 4 | US-09-814-951A-3 | Sequence 3, Appl |
| C 885 | 30 | 3.0 | 3198 | 4 | US-09-601-478-3 | Sequence 3, Appl | C 958 | 30 | 3.0 | 10380 | 3 | US-09-077-354B-3 | Sequence 3, Appl |
| C 886 | 30 | 3.0 | 3262 | 4 | US-09-620-312D-139 | Sequence 139, App | C 959 | 30 | 3.0 | 11298 | 1 | US-07-869-933-31 | Sequence 31, Appl |
| C 887 | 30 | 3.0 | 3433 | 4 | US-09-820-924-1 | Sequence 1, Appl | C 960 | 30 | 3.0 | 11298 | 1 | US-08-201-879A-2 | Sequence 2, Appl |
| C 888 | 30 | 3.0 | 3602 | 2 | US-08-820-170A-30 | Sequence 30, Appl | C 961 | 30 | 3.0 | 11298 | 3 | US-09-103-663-31 | Sequence 31, Appl |
| C 889 | 30 | 3.0 | 3602 | 3 | US-09-055-699-30 | Sequence 30, Appl | C 962 | 30 | 3.0 | 11664 | 3 | US-08-884-324-13 | Sequence 13, Appl |
| C 890 | 30 | 3.0 | 3602 | 3 | US-09-273-565-30 | Sequence 30, Appl | C 963 | 30 | 3.0 | 11531 | 1 | US-08-068-945A-1 | Sequence 1, Appl |
| C 891 | 30 | 3.0 | 3602 | 4 | US-09-565-538-30 | Sequence 30, Appl | C 964 | 30 | 3.0 | 11531 | 1 | US-08-446-806-1 | Sequence 1, Appl |
| C 892 | 30 | 3.0 | 3602 | 4 | US-09-661-468-30 | Sequence 30, Appl | C 965 | 30 | 3.0 | 11531 | 4 | US-09-335-295B-1 | Sequence 1, Appl |
| C 893 | 30 | 3.0 | 3602 | 4 | US-09-976-165-30 | Sequence 30, Appl | C 966 | 30 | 3.0 | 12565 | 3 | US-09-345-217-3 | Sequence 3, Appl |
| C 894 | 30 | 3.0 | 3602 | 4 | US-09-976-165-30 | Sequence 30, Appl | C 967 | 30 | 3.0 | 12597 | 4 | US-09-705-299-12 | Sequence 12, Appl |
| C 895 | 30 | 3.0 | 3663 | 3 | US-09-499-884-11 | Sequence 11, Appl | C 968 | 30 | 3.0 | 13865 | 3 | US-09-009-217-11 | Sequence 11, Appl |
| C 896 | 30 | 3.0 | 3804 | 4 | US-09-620-312D-894 | Sequence 894, App | C 969 | 30 | 3.0 | 15185 | 3 | US-09-009-656-11 | Sequence 11, Appl |
| C 897 | 30 | 3.0 | 4084 | 3 | US-08-866-340-1 | Sequence 1, Appl | C 970 | 30 | 3.0 | 15185 | 4 | US-09-783-203-1 | Sequence 1, Appl |
| C 898 | 30 | 3.0 | 4084 | 3 | US-08-866-340-1 | Sequence 1, Appl | C 971 | 30 | 3.0 | 16595 | 4 | US-09-146-053-7 | Sequence 7, Appl |
| C 899 | 30 | 3.0 | 4086 | 4 | US-09-702-705-1801 | Sequence 1801, Ap | C 972 | 30 | 3.0 | 17041 | 1 | US-08-076-011-1 | Sequence 1, Appl |
| C 900 | 30 | 3.0 | 4086 | 4 | US-09-736-457-1801 | Sequence 1801, Ap | C 973 | 30 | 3.0 | 17425 | 4 | US-09-511-625B-5 | Sequence 5, Appl |
| C 901 | 30 | 3.0 | 4129 | 2 | US-08-370-319C-12 | Sequence 12, Appl | C 974 | 30 | 3.0 | 20966 | 4 | US-09-776-976-7 | Sequence 7, Appl |
| C 902 | 30 | 3.0 | 4129 | 2 | US-09-224-834-12 | Sequence 12, Appl | C 975 | 30 | 3.0 | 20966 | 4 | US-09-909-547-7 | Sequence 7, Appl |
| C 903 | 30 | 3.0 | 4285 | 3 | US-09-040-774-1 | Sequence 1, Appl | C 976 | 30 | 3.0 | 20966 | 4 | US-09-569-852B-1 | Sequence 1, Appl |

c 977 30 3.0 2664 4 US-09-564-805-28 Sequence 28, Appl
 c 978 30 3.0 28994 3 US-08-884-324-14 Sequence 14, Appl
 c 979 30 3.0 31208 4 US-09-852-067-3 Sequence 3, Appl
 c 980 30 3.0 35060 3 US-08-814-095-7 Sequence 7, Appl
 c 981 30 3.0 35100 1 US-08-306-691B-19 Sequence 19, Appl
 c 982 30 3.0 35100 5 PCT-US93-06251-19 Sequence 3, Appl
 c 983 30 3.0 36159 4 US-09-749-588-3 Sequence 3, Appl
 c 984 30 3.0 36651 4 US-09-738-894A-3 Sequence 3, Appl
 c 985 30 3.0 36651 4 US-09-964-469-3 Sequence 3, Appl
 c 986 30 3.0 40000 4 US-09-780-049-18 Sequence 18, Appl
 c 987 30 3.0 40328 4 US-08-742-185-102 Sequence 102, App
 c 988 30 3.0 45716 4 US-08-965-048-5 Sequence 5, Appl
 c 989 30 3.0 45989 4 US-08-965-048-6 Sequence 6, Appl
 c 990 30 3.0 55298 4 US-09-491-356C-1 Sequence 1, Appl
 c 991 30 3.0 202001 4 US-09-734-674-3 Sequence 3, Appl
 c 992 29 2.9 75 4 US-09-357-740-15 Sequence 15, Appl
 c 993 29 2.9 75 4 US-09-357-740-15 Sequence 15, Appl
 c 994 29 2.9 271 4 US-09-643-597-265 Sequence 265, App
 c 995 29 2.9 271 4 US-09-460-884A-265 Sequence 265, App
 c 996 29 2.9 271 4 US-09-542-615A-265 Sequence 265, App
 c 997 29 2.9 271 4 US-09-606-421B-265 Sequence 265, App
 c 998 29 2.9 292 2 US-08-481-658B-56 Sequence 56, Appl
 c 999 29 2.9 292 2 US-08-481-658B-56 Sequence 56, Appl
 c1000 29 2.9 292 2 US-08-477-504A-56 Sequence 56, Appl

ALIGNMENTS

; POSITION IN GENOME:
 ; CHROMOSOME/SEGMENT: 22
 ; US-09-018-584A-32
 Query Match 100.0%; Score 1000; DB 3; Length 1000;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTGTACCTTATCTCTCTGAACTCAGTTTCCATCCGTAATAATGAAAGCTGTAG 60
 1 GGTGTACCTTATCTCTCTGAACTCAGTTTCCATCCGTAATAATGAAAGCTGTAG 60
 Db 1 GGTGTACCTTATCTCTCTGAACTCAGTTTCCATCCGTAATAATGAAAGCTGTAG 60
 QY 61 ATTGTTGTAATAATAATTAATGTAATGATGAGCGCGGTGCTCAGCGCTGTAATCCA 120
 61 ATTGTTGTAATAATAATTAATGTAATGATGAGCGCGGTGCTCAGCGCTGTAATCCA 120
 Db 61 ATTGTTGTAATAATAATTAATGTAATGATGAGCGCGGTGCTCAGCGCTGTAATCCA 120
 QY 121 GCACCTTAGAGGTGCAAGAGGCTGATCATCTGAGTCAAGATTTTGACACAGCTTG 180
 121 GCACCTTAGAGGTGCAAGAGGCTGATCATCTGAGTCAAGATTTTGACACAGCTTG 180
 Db 121 GCACCTTAGAGGTGCAAGAGGCTGATCATCTGAGTCAAGATTTTGACACAGCTTG 180
 QY 181 GCCAACACGCTGTAACCCCATCTCTAATAATAATAATAATTAAGTGGGTGCGTGCT 240
 181 GCCAACACGCTGTAACCCCATCTCTAATAATAATAATAATTAAGTGGGTGCGTGCT 240
 Db 181 GCCAACACGCTGTAACCCCATCTCTAATAATAATAATAATTAAGTGGGTGCGTGCT 240
 QY 241 CACACCTGTATATCCACGACTTTGGAGGCTGACGCGGTGATCACTGAACTCAGAG 300
 241 CACACCTGTATATCCACGACTTTGGAGGCTGACGCGGTGATCACTGAACTCAGAG 300
 Db 241 CACACCTGTATATCCACGACTTTGGAGGCTGACGCGGTGATCACTGAACTCAGAG 300
 QY 301 TTCAAGGCCAGCGCTGGGCAACATGTAACCAACGCTCTACTAATAATAATTAAG 360
 301 TTCAAGGCCAGCGCTGGGCAACATGTAACCAACGCTCTACTAATAATAATTAAG 360
 Db 301 TTCAAGGCCAGCGCTGGGCAACATGTAACCAACGCTCTACTAATAATAATTAAG 360
 QY 361 CCAGGTGTGTGTCACACGCTGTAGTCCAGCTACTTGGAGCTGAGCGGAAGATC 420
 361 CCAGGTGTGTGTCACACGCTGTAGTCCAGCTACTTGGAGCTGAGCGGAAGATC 420
 Db 361 CCAGGTGTGTGTCACACGCTGTAGTCCAGCTACTTGGAGCTGAGCGGAAGATC 420
 QY 421 GCTTGAACCCAGTAGGCAAGAGTGTGAGGCGGAGTAAGTCACTGCACTCCAGCC 480
 421 GCTTGAACCCAGTAGGCAAGAGTGTGAGGCGGAGTAAGTCACTGCACTCCAGCC 480
 Db 421 GCTTGAACCCAGTAGGCAAGAGTGTGAGGCGGAGTAAGTCACTGCACTCCAGCC 480
 QY 481 TGGGTGACAGAGCAACCTCCCTCAGAAATTAATAATAATAATAATAATAATA 540
 481 TGGGTGACAGAGCAACCTCCCTCAGAAATTAATAATAATAATAATAATAATA 540
 Db 481 TGGGTGACAGAGCAACCTCCCTCAGAAATTAATAATAATAATAATAATAATA 540
 QY 541 AATTAATAATAATAATAATAATAATAAGGCTGCAATTTGCTAGCACTTAATGCCAATA 600
 541 AATTAATAATAATAATAATAATAATAAGGCTGCAATTTGCTAGCACTTAATGCCAATA 600
 Db 541 AATTAATAATAATAATAATAATAATAAGGCTGCAATTTGCTAGCACTTAATGCCAATA 600
 QY 601 AGTAATAGCTATCATATATCCCAACCCCTACACTGCTGAAATTAAGTTCTTTTGTG 660
 601 AGTAATAGCTATCATATATCCCAACCCCTACACTGCTGAAATTAAGTTCTTTTGTG 660
 Db 601 AGTAATAGCTATCATATATCCCAACCCCTACACTGCTGAAATTAAGTTCTTTTGTG 660
 QY 661 ACCCCCATTAAGACTTAAGGCAAGAAATTCACCGTCTCCTGTAATTTCTGTTCTT 720
 661 ACCCCCATTAAGACTTAAGGCAAGAAATTCACCGTCTCCTGTAATTTCTGTTCTT 720
 Db 661 ACCCCCATTAAGACTTAAGGCAAGAAATTCACCGTCTCCTGTAATTTCTGTTCTT 720
 QY 721 GGACATAGTTGGGTCTCAGTGAACATGATGATGATGAGCAATGCAAGAACTCTCC 780
 721 GGACATAGTTGGGTCTCAGTGAACATGATGATGATGAGCAATGCAAGAACTCTCC 780
 Db 721 GGACATAGTTGGGTCTCAGTGAACATGATGATGATGAGCAATGCAAGAACTCTCC 780
 QY 781 AGGCACTCTGGAGACCCCTCCAGGCGGCTGAGTTCCGGAAATCAATATGCTCTCAAT 840
 781 AGGCACTCTGGAGACCCCTCCAGGCGGCTGAGTTCCGGAAATCAATATGCTCTCAAT 840
 Db 781 AGGCACTCTGGAGACCCCTCCAGGCGGCTGAGTTCCGGAAATCAATATGCTCTCAAT 840
 QY 841 GGCCCACTGAAGAGTGAAGTTCGGGTCACACCTCCGACCCCATCTCTGACTCAC 900
 841 GGCCCACTGAAGAGTGAAGTTCGGGTCACACCTCCGACCCCATCTCTGACTCAC 900
 Db 841 GGCCCACTGAAGAGTGAAGTTCGGGTCACACCTCCGACCCCATCTCTGACTCAC 900
 QY 901 TGCTGAAAAATAATAATAATAATAATACTTAATCCGAGCTCCCAATGCTTGG 960
 901 TGCTGAAAAATAATAATAATAATAATACTTAATCCGAGCTCCCAATGCTTGG 960
 Db 901 TGCTGAAAAATAATAATAATAATAATACTTAATCCGAGCTCCCAATGCTTGG 960
 QY 961 CAGGACTGCAAGAGGCCACGAGATGATGATGATGATGATGATGATGATGATGATGAT 1000
 961 CAGGACTGCAAGAGGCCACGAGATGATGATGATGATGATGATGATGATGATGATGAT 1000

RESULT 1
 US-09-018-584A-32
 ; Sequence 32, Application US/09018584A
 ; Patent No. 6238863
 ; GENERAL INFORMATION:
 ; APPLICANT: Schumm, James W.
 ; TITLE OF INVENTION: MATERIALS AND METHODS FOR
 ; TITLE OF INVENTION: IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
 ; NUMBER OF SEQUENCES: 147
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Promega Corporation
 ; STREET: 2800 Woods Hollow Road
 ; CITY: Madison
 ; STATE: Wisconsin
 ; COUNTRY: U.S.A.
 ; ZIP: 53711-5399
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: Word 97 (DOS text format)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/018,584A
 ; FILING DATE: 04-Feb-1998
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Grady J. Frenchick
 ; REGISTRATION NUMBER: 29,018
 ; REFERENCE/DOCKET NUMBER: 16026.9180
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (608) 257-3501
 ; TELEFAX: (608) 257-2275
 ; INFORMATION FOR SEQ ID NO: 32:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1000 bp
 ; TYPE: Nucleic Acid
 ; STRANDEDNESS: Double
 ; TOPOLOGY: Circular
 ; MOLECULE TYPE: Genomic DNA
 ; HYPOTHEetical: no
 ; IMMEDIATE SOURCE:
 ; CLONE: S132

Query Match 4.7%; Score 47; DB 2; Length 1947;
Best Local Similarity 100.0%; Pred. No. 2e-13;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 GGGTGGCGGTGGCTGACACCTGTATCCAGACACTTTGGAGGCTGAG 274
DB 1658 GGGTGGCGGTGGCTGACACCTGTATCCAGACACTTTGGAGGCTGAG 1704

RESULT 5
US-09-740-041-3/C
; Sequence 3, Application US/09740041
; Patent No. 6562593
; GENERAL INFORMATION:
; APPLICANT: MERKULOV, Karl et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; FILE REFERENCE: CL001001
; CURRENT APPLICATION NUMBER: US/09/740,041
; CURRENT FILING DATE: 2000-12-20
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 66804
; TYPE: DNA
; ORGANISM: Human
US-09-740-041-3

Query Match 4.7%; Score 47; DB 4; Length 66804;
Best Local Similarity 100.0%; Pred. No. 2e-13;
Matches 47; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 GGGTGGCGGTGGCTGACACCTGTATCCAGACACTTTGGAGGCTGAG 274
DB 35282 GGGTGGCGGTGGCTGACACCTGTATCCAGACACTTTGGAGGCTGAG 35236

RESULT 6
US-09-679-299A-18/C
; Sequence 18, Application US/09679299A
; Patent No. 6566135
; GENERAL INFORMATION:
; APPLICANT: Vickie L. Brown-Driver
; APPLICANT: Hong Zhang
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
; FILE REFERENCE: RUS-0187
; CURRENT APPLICATION NUMBER: US/09/679,299A
; CURRENT FILING DATE: 2000-10-04
; NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 18
; LENGTH: 17000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-299A-18

Query Match 4.6%; Score 46; DB 4; Length 17000;
Best Local Similarity 100.0%; Pred. No. 6e-13;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 170 AGACGACCTGGCGCAACAGCGTGAACCCCATCTCTACTAAATA 215
DB 8922 AGACGACCTGGCGCAACAGCGTGAACCCCATCTCTACTAAATA 8877

RESULT 7
US-09-759-359A-3/C
; Sequence 3, Application US/09759359A
; Patent No. 6492153
; GENERAL INFORMATION:
; APPLICANT: ABU-THREIDEN, Jane et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001043
; CURRENT APPLICATION NUMBER: US/09/759,359A
; CURRENT FILING DATE: 2001-01-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 90541
; TYPE: DNA
; ORGANISM: Human
US-09-759-359A-3

Query Match 4.6%; Score 46; DB 4; Length 90541;
Best Local Similarity 100.0%; Pred. No. 6.1e-13;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 170 AGACGACCTGGCGCAACAGCGTGAACCCCATCTCTACTAAATA 215
DB 35303 AGACGACCTGGCGCAACAGCGTGAACCCCATCTCTACTAAATA 35258

RESULT 8
US-09-735-934A-3
; Sequence 3, Application US/09735934A
; Patent No. 6372468
; GENERAL INFORMATION:
; APPLICANT: LI, Jiyin et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000851
; CURRENT APPLICATION NUMBER: US/09/735,934A
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 43950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-735-934A-3

Query Match 4.5%; Score 45; DB 4; Length 43950;
Best Local Similarity 100.0%; Pred. No. 1.9e-12;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 367 GGTGGCGACAGCGCTGTGTGCTCCAGCTACTTGGAGGCTGAGGC 411
DB 7510 GGTGGCGACAGCGCTGTGTGCTCCAGCTACTTGGAGGCTGAGGC 7554

RESULT 9
US-10-060-332-3
; Sequence 3, Application US/10060332
; Patent No. 6528294
; GENERAL INFORMATION:
; APPLICANT: LI, Jiyin et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: THEREOF
; CURRENT APPLICATION NUMBER: US/10/060,332
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 43950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-332-3

Query Match 4.5%; Score 45; DB 4; Length 43950;

Best Local Similarity 100.0%; Pred. No. 1.9e-12;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 367 GGGTGGACACGCGCTGTAGTATCCAGCTACTTGGAGGCTGAGC 411
DB 7510 GTGGTGGACACGCGCTGTAGTATCCAGCTACTTGGAGGCTGAGC 7554

RESULT 10

US-09-851-896-3/c
Sequence 3, Application US/09851896
Patent No. 6410325

GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Susan M. Freier
APPLICANT: Andrew T. Walt
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEPENDENT)
FILE REFERENCE: RTS-0220
CURRENT APPLICATION NUMBER: US/09/851,896
CURRENT FILING DATE: 2001-05-08
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 3
LENGTH: 70000
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

US-09-851-896-3

Query Match 4.5%; Score 45; DB 4; Length 70000;
Best Local Similarity 100.0%; Pred. No. 1.9e-12;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 512 ATAAATAATAATAATAATAATAATAATAATAATAATAATAATA 556
DB 35889 ATAAATAATAATAATAATAATAATAATAATAATAATAATAATA 35845

RESULT 11

US-09-705-299-11
Sequence 11, Application US/09705299
Patent No. 6440737

GENERAL INFORMATION:
APPLICANT: Lex M. Cowbert
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF CELLULAR APOPTOSIS SUSCEPTIBILITY GENE
FILE REFERENCE: RTS-0174
CURRENT APPLICATION NUMBER: US/09/705,299
CURRENT FILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 86
SEQ ID NO 11
LENGTH: 3609
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

OTHER INFORMATION:
NAME/KEY: unsure
LOCATION: 92
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 869
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1385
OTHER INFORMATION: unknown
US-09-705-299-11

Query Match 4.4%; Score 44; DB 4; Length 3609;
Best Local Similarity 100.0%; Pred. No. 5.6e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 231 TGGGTTGGCTACACCTGTATCCAGCACTTTGGAGGCTGAG 274

DB 1990 TGGGTTGGCTACACCTGTATCCAGCACTTTGGAGGCTGAG 2033

RESULT 12

US-09-691-861A-3/c
Sequence 3, Application US/09691861A
Patent No. 6482935

GENERAL INFORMATION:
APPLICANT: Wei, Ming-Hui et al.
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
THEREOF
FILE REFERENCE: CL000892
CURRENT APPLICATION NUMBER: US/09/691,861A
CURRENT FILING DATE: 2000-10-18
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 9862
TYPE: DNA
ORGANISM: Homo sapiens
US-09-691-861A-3

Query Match 4.4%; Score 44; DB 4; Length 9862;
Best Local Similarity 100.0%; Pred. No. 5.7e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 368 TGGTGGACACGCGCTGTAGTATCCAGCTACTTGGAGGCTGAGC 411
DB 4344 TGGTGGACACGCGCTGTAGTATCCAGCTACTTGGAGGCTGAGC 4301

RESULT 13

US-09-491-356C-1/c
Sequence 1, Application US/09491356C
Patent No. 6566061

GENERAL INFORMATION:
APPLICANT: Philibert, Robert A.
APPLICANT: Gims, Edward I.
APPLICANT: Delisi, Lynn
TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCT4 REGION OF X013
FILE REFERENCE: 9465.60S11
CURRENT APPLICATION NUMBER: US/09/491,356C
CURRENT FILING DATE: 2000-01-26
PRIOR APPLICATION NUMBER: PCT/US99/09365
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/083,465
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 55298
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

NAME/KEY: misc feature
LOCATION: (485)..
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (838)..
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (16728)..
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (22750)..
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (22756)..
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (28519)..
OTHER INFORMATION: n is not determined

NAME/KEY: misc feature
LOCATION: (44804)..(44804)
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (45002)..(45002)
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (54049)..(54049)
OTHER INFORMATION: n is not determined
NAME/KEY: misc feature
LOCATION: (54226)..(54226)
OTHER INFORMATION: n is not determined
US-09-491-356C-1

Query Match 4.4%; Score 44; DB 4; Length 55298;
Best Local Similarity 100.0%; Pred. No. 5.7e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 GGGTGGCGGTGGCTCACACCTGTATCCGACCACTTTGGAGGCT 271
DB 23025 GGGTGGCGGTGGCTCACACCTGTATCCGACCACTTTGGAGGCT 22982

RESULT 14
US-09-813-817-3
Sequence 3, Application US/09813817
Patent No. 6340583
GENERAL INFORMATION:
APPLICANT: YAN, Chunhua et al.
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE REFERENCE: C1001178
CURRENT APPLICATION NUMBER: US/09/813,817
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 59065
TYPE: DNA
ORGANISM: Human
US-09-813-817-3

Query Match 4.4%; Score 44; DB 4; Length 59065;
Best Local Similarity 100.0%; Pred. No. 5.7e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 334 CGTCTCTACTAAATACAAATTAACCGCGGTGTGGTGACCA 377
DB 58882 CGTCTCTACTAAATACAAATTAACCGCGGTGTGGTGACCA 58925

RESULT 15
US-09-813-817-3/C
Sequence 3, Application US/09813817
Patent No. 6340583
GENERAL INFORMATION:
APPLICANT: YAN, Chunhua et al.
TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
FILE REFERENCE: C1001178
CURRENT APPLICATION NUMBER: US/09/813,817
CURRENT FILING DATE: 2001-03-22
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 59065
TYPE: DNA
ORGANISM: Human
US-09-813-817-3

Query Match 4.4%; Score 44; DB 4; Length 59065;

Best Local Similarity 100.0%; Pred. No. 5.7e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 512 ATAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 555
DB 3447 ATAAATTAATTAATTAATTAATTAATTAATTAATTAATTA 3404

Search completed: October 9, 2003, 16:05:12
Job time: 123.048 secs

| | | | | | | |
|-------|----|-----|---------|----|-----------------------|---------------------|
| C 90 | 49 | 4.9 | 855 | 13 | US-10-027-632-29606 | Sequence 29606, A |
| 91 | 49 | 4.9 | 1720 | 13 | US-10-027-632-25580 | Sequence 25580, A |
| 92 | 49 | 4.9 | 1720 | 13 | US-10-027-632-255861 | Sequence 255861, A |
| 93 | 49 | 4.9 | 6306 | 12 | US-10-339-676-129 | Sequence 129, App |
| 94 | 49 | 4.9 | 6668 | 12 | US-10-311-455-1659 | Sequence 1659, App |
| C 95 | 49 | 4.9 | 6668 | 12 | US-10-311-455-1670 | Sequence 1670, App |
| 96 | 49 | 4.9 | 9238 | 12 | US-10-240-453-239 | Sequence 239, App |
| C 97 | 49 | 4.9 | 9238 | 12 | US-10-240-453-240 | Sequence 240, App |
| C 98 | 49 | 4.9 | 24533 | 10 | US-09-764-868-1349 | Sequence 1349, App |
| 99 | 49 | 4.9 | 99014 | 10 | US-09-880-107-3428 | Sequence 3428, App |
| C 100 | 49 | 4.9 | 99014 | 10 | US-09-880-107-3428 | Sequence 3428, App |
| 101 | 49 | 4.9 | 402850 | 11 | US-09-844-653-5 | Sequence 5, App1 |
| 102 | 49 | 4.9 | 1503841 | 9 | US-09-795-668-1 | Sequence 1, App1 |
| 103 | 49 | 4.9 | 1503841 | 9 | US-09-795-668-1 | Sequence 1, App1 |
| 104 | 49 | 4.9 | 1503841 | 10 | US-10-027-632-114763 | Sequence 114763, A |
| C 105 | 49 | 4.9 | 2940917 | 13 | US-09-803-719-1933 | Sequence 1933, App |
| 106 | 49 | 4.8 | 283 | 11 | US-10-198-846-11943 | Sequence 11943, A |
| 107 | 48 | 4.8 | 348 | 14 | US-09-814-353-17788 | Sequence 17788, A |
| 108 | 48 | 4.8 | 446 | 12 | US-09-814-353-21484 | Sequence 21484, A |
| 109 | 48 | 4.8 | 584 | 12 | US-09-814-353-5112 | Sequence 5112, App |
| 110 | 48 | 4.8 | 637 | 12 | US-09-814-353-11404 | Sequence 11404, A |
| 111 | 48 | 4.8 | 637 | 12 | US-10-027-632-164599 | Sequence 164599, A |
| 112 | 48 | 4.8 | 666 | 13 | US-10-027-632-312627 | Sequence 312627, A |
| 113 | 48 | 4.8 | 827 | 14 | US-10-198-846-3812 | Sequence 3812, App |
| 114 | 48 | 4.8 | 1184 | 9 | US-09-822-849A-510 | Sequence 510, App |
| 115 | 48 | 4.8 | 1514 | 3 | US-10-027-632-118445 | Sequence 118445, A |
| C 116 | 48 | 4.8 | 7116 | 14 | US-10-177-293-493 | Sequence 493, App |
| 117 | 48 | 4.8 | 7147 | 14 | US-10-177-293-493 | Sequence 493, App |
| C 118 | 48 | 4.8 | 25760 | 11 | US-09-999-121-13 | Sequence 13, App1 |
| 119 | 48 | 4.8 | 114793 | 12 | US-10-148-806-3 | Sequence 3, App1 |
| C 120 | 48 | 4.8 | 180216 | 9 | US-09-835-232-6 | Sequence 6, App1 |
| C 121 | 48 | 4.8 | 402850 | 11 | US-10-308-485-5 | Sequence 5, App1 |
| C 122 | 48 | 4.8 | 402850 | 12 | US-09-844-653-5 | Sequence 1528, App |
| C 123 | 48 | 4.7 | 337 | 9 | US-09-764-869-1528 | Sequence 1528, App |
| 124 | 47 | 4.7 | 337 | 11 | US-10-091-504-1528 | Sequence 1528, App |
| 125 | 47 | 4.7 | 337 | 11 | US-09-818-995-18533 | Sequence 18533, A |
| C 126 | 47 | 4.7 | 418 | 10 | US-09-867-701-8320 | Sequence 8320, App |
| 127 | 47 | 4.7 | 446 | 14 | US-10-060-036-1026 | Sequence 1026, App |
| 128 | 47 | 4.7 | 481 | 13 | US-10-027-632-312148 | Sequence 312148, A |
| 129 | 47 | 4.7 | 481 | 13 | US-10-027-632-312148 | Sequence 312148, A |
| 130 | 47 | 4.7 | 481 | 13 | US-10-027-632-312150 | Sequence 312150, A |
| 131 | 47 | 4.7 | 514 | 13 | US-10-027-632-4851 | Sequence 4851, App |
| C 132 | 47 | 4.7 | 514 | 13 | US-10-027-632-4851 | Sequence 4851, App |
| C 133 | 47 | 4.7 | 546 | 10 | US-09-998-598-647 | Sequence 647, App |
| C 134 | 47 | 4.7 | 562 | 10 | US-09-764-877-2628 | Sequence 2628, App |
| 135 | 47 | 4.7 | 577 | 13 | US-10-027-632-1136701 | Sequence 1136701, A |
| C 136 | 47 | 4.7 | 585 | 13 | US-10-027-632-49132 | Sequence 49132, A |
| 137 | 47 | 4.7 | 610 | 13 | US-10-027-632-256328 | Sequence 256328, A |
| C 138 | 47 | 4.7 | 623 | 13 | US-10-027-632-71190 | Sequence 71190, A |
| C 139 | 47 | 4.7 | 624 | 13 | US-10-027-632-222315 | Sequence 222315, A |
| C 140 | 47 | 4.7 | 624 | 13 | US-10-027-632-222316 | Sequence 222316, A |
| C 141 | 47 | 4.7 | 654 | 13 | US-10-027-632-213621 | Sequence 213621, A |
| C 142 | 47 | 4.7 | 654 | 13 | US-10-027-632-213622 | Sequence 213622, A |
| C 143 | 47 | 4.7 | 654 | 13 | US-10-027-632-213623 | Sequence 213623, A |
| C 144 | 47 | 4.7 | 654 | 13 | US-10-027-632-105685 | Sequence 105685, A |
| C 145 | 47 | 4.7 | 680 | 13 | US-10-027-632-105686 | Sequence 105686, A |
| C 146 | 47 | 4.7 | 712 | 13 | US-10-027-632-152190 | Sequence 152190, A |
| 147 | 47 | 4.7 | 726 | 13 | US-10-027-632-152891 | Sequence 152891, A |
| 148 | 47 | 4.7 | 732 | 13 | US-10-027-632-17859 | Sequence 17859, A |
| 149 | 47 | 4.7 | 732 | 13 | US-10-027-632-17860 | Sequence 17860, A |
| 150 | 47 | 4.7 | 808 | 13 | US-10-027-632-149276 | Sequence 149276, A |
| 151 | 47 | 4.7 | 887 | 13 | US-10-027-632-156972 | Sequence 156972, A |
| C 152 | 47 | 4.7 | 887 | 13 | US-10-027-632-156973 | Sequence 156973, A |
| C 153 | 47 | 4.7 | 887 | 13 | US-10-027-632-156974 | Sequence 156974, A |
| C 154 | 47 | 4.7 | 887 | 13 | US-10-027-632-156974 | Sequence 156974, A |
| 155 | 47 | 4.7 | 887 | 13 | US-10-027-632-156974 | Sequence 156974, A |
| 156 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |
| C 157 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |
| C 158 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |
| C 159 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |
| C 160 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |
| C 161 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |
| C 162 | 47 | 4.7 | 920 | 13 | US-10-027-632-120194 | Sequence 120194, A |

| | | | | | | | | | | | | | |
|-------|----|-----|---------|----|----------------------|----------------------|-------|----|-----|---------|----|----------------------|----------------------|
| 236 | 46 | 4.6 | 145831 | 10 | US-09-954-456-2116 | Sequence 2116, App | C 309 | 44 | 4.4 | 9662 | 14 | US-10-259-740-3 | Sequence 3, Appli |
| 237 | 46 | 4.6 | 145831 | 12 | US-09-873-367C-646 | Sequence 746, App | C 310 | 44 | 4.4 | 10949 | 11 | US-09-764-891-9719 | Sequence 9719, App |
| C 238 | 46 | 4.6 | 161280 | 14 | US-10-144-649A-746 | Sequence 746, App | C 311 | 44 | 4.4 | 10951 | 11 | US-09-764-891-9718 | Sequence 9718, App |
| C 239 | 46 | 4.6 | 1691139 | 14 | US-10-067-514-1 | Sequence 1, Appli | C 312 | 44 | 4.4 | 12138 | 12 | US-10-311-455-1915 | Sequence 1915, App |
| C 240 | 45 | 4.5 | 401 | 9 | US-09-795-668-622 | Sequence 622, App | C 313 | 44 | 4.4 | 12138 | 12 | US-10-240-453-095 | Sequence 209, App |
| C 241 | 45 | 4.5 | 401 | 9 | US-09-795-668-623 | Sequence 623, App | C 314 | 44 | 4.4 | 13921 | 10 | US-09-764-877-2595 | Sequence 2595, App |
| C 242 | 45 | 4.5 | 401 | 9 | US-09-795-686-622 | Sequence 622, App | C 315 | 44 | 4.4 | 14708 | 12 | US-10-311-455-1915 | Sequence 2218, App |
| C 243 | 45 | 4.5 | 401 | 9 | US-09-795-686-623 | Sequence 623, App | C 316 | 44 | 4.4 | 14708 | 12 | US-10-240-453-095 | Sequence 324, App |
| C 244 | 45 | 4.5 | 401 | 9 | US-09-946-807-622 | Sequence 622, App | C 317 | 44 | 4.4 | 14708 | 14 | US-10-239-676-222 | Sequence 222, App |
| C 245 | 45 | 4.5 | 401 | 10 | US-09-946-807-623 | Sequence 623, App | C 318 | 44 | 4.4 | 19920 | 10 | US-09-764-877-2713 | Sequence 2713, App |
| C 246 | 45 | 4.5 | 478 | 13 | US-10-027-632-260864 | Sequence 260864, App | C 319 | 44 | 4.4 | 21732 | 11 | US-09-764-877-2717 | Sequence 717, App |
| C 247 | 45 | 4.5 | 478 | 13 | US-10-027-632-260865 | Sequence 260865, App | C 320 | 44 | 4.4 | 32174 | 9 | US-09-908-711-158 | Sequence 158, App |
| C 248 | 45 | 4.5 | 553 | 13 | US-10-027-632-260866 | Sequence 260866, App | C 321 | 44 | 4.4 | 32174 | 9 | US-09-764-860-1134 | Sequence 1134, App |
| C 249 | 45 | 4.5 | 553 | 13 | US-10-027-632-260867 | Sequence 260867, App | C 322 | 44 | 4.4 | 32174 | 10 | US-09-764-877-2645 | Sequence 2645, App |
| C 250 | 45 | 4.5 | 611 | 13 | US-10-027-632-155583 | Sequence 195583, App | C 323 | 44 | 4.4 | 32174 | 10 | US-09-860-670-2012 | Sequence 223, App |
| C 251 | 45 | 4.5 | 931 | 13 | US-10-027-632-120741 | Sequence 120741, App | C 324 | 44 | 4.4 | 32174 | 10 | US-09-764-894-80 | Sequence 90, Appli |
| C 252 | 45 | 4.5 | 931 | 13 | US-10-027-632-120742 | Sequence 120742, App | C 325 | 44 | 4.4 | 32174 | 11 | US-09-764-894-80 | Sequence 6480, App |
| C 253 | 45 | 4.5 | 931 | 13 | US-10-027-632-120743 | Sequence 120743, App | C 326 | 44 | 4.4 | 32174 | 11 | US-09-764-891-10135 | Sequence 10135, App |
| C 254 | 45 | 4.5 | 1112 | 13 | US-10-027-632-118199 | Sequence 118199, App | C 327 | 44 | 4.4 | 32174 | 11 | US-09-764-891-10135 | Sequence 10179, App |
| C 255 | 45 | 4.5 | 1197 | 13 | US-10-027-632-101176 | Sequence 101176, App | C 328 | 44 | 4.4 | 32174 | 11 | US-09-764-891-10179 | Sequence 10179, App |
| C 256 | 45 | 4.5 | 1265 | 13 | US-10-027-632-101177 | Sequence 101177, App | C 329 | 44 | 4.4 | 32174 | 14 | US-10-074-095-1134 | Sequence 1134, App |
| C 257 | 45 | 4.5 | 1361 | 14 | US-10-027-632-252517 | Sequence 252517, App | C 330 | 44 | 4.4 | 32187 | 14 | US-10-102-632-109 | Sequence 109, App |
| C 258 | 45 | 4.5 | 1931 | 14 | US-10-153-668-351 | Sequence 351, App | C 331 | 44 | 4.4 | 32195 | 9 | US-09-764-865-2017 | Sequence 2017, App |
| C 259 | 45 | 4.5 | 2232 | 11 | US-09-764-891-5479 | Sequence 5479, App | C 332 | 44 | 4.4 | 32195 | 14 | US-10-091-504-2017 | Sequence 2017, App |
| C 260 | 45 | 4.5 | 2232 | 11 | US-09-764-891-10206 | Sequence 10206, App | C 333 | 44 | 4.4 | 32195 | 14 | US-09-764-865-2016 | Sequence 2016, App |
| C 261 | 45 | 4.5 | 3159 | 13 | US-10-027-632-115395 | Sequence 115395, App | C 334 | 44 | 4.4 | 32195 | 14 | US-10-091-504-2016 | Sequence 2016, App |
| C 262 | 45 | 4.5 | 9371 | 11 | US-09-764-891-10134 | Sequence 10134, App | C 335 | 44 | 4.4 | 32195 | 14 | US-09-957-956-5 | Sequence 956, App |
| C 263 | 45 | 4.5 | 10838 | 12 | US-09-764-877-2698 | Sequence 2698, App | C 336 | 44 | 4.4 | 46130 | 12 | US-10-017-161-985 | Sequence 985, App |
| C 264 | 45 | 4.5 | 14708 | 12 | US-10-311-455-2317 | Sequence 2317, App | C 337 | 44 | 4.4 | 55611 | 12 | US-10-017-161-985 | Sequence 783, App |
| C 265 | 45 | 4.5 | 14708 | 12 | US-10-240-453-333 | Sequence 323, App | C 338 | 44 | 4.4 | 59065 | 12 | US-10-135-666-3 | Sequence 3, Appli |
| C 266 | 45 | 4.5 | 14708 | 11 | US-10-239-676-221 | Sequence 221, App | C 339 | 44 | 4.4 | 59065 | 12 | US-10-135-666-3 | Sequence 3, Appli |
| C 267 | 45 | 4.5 | 14792 | 14 | US-09-764-891-9780 | Sequence 9780, App | C 340 | 44 | 4.4 | 64667 | 14 | US-10-274-409-3 | Sequence 3, Appli |
| C 268 | 45 | 4.5 | 16851 | 11 | US-09-764-891-9781 | Sequence 9781, App | C 341 | 44 | 4.4 | 122186 | 11 | US-09-563-788A-36 | Sequence 36, Appli |
| C 269 | 45 | 4.5 | 16851 | 11 | US-09-764-891-9782 | Sequence 9782, App | C 342 | 44 | 4.4 | 167343 | 9 | US-09-962-436-281 | Sequence 281, App |
| C 270 | 45 | 4.5 | 18554 | 10 | US-09-811-825-3 | Sequence 3, Appli | C 343 | 44 | 4.4 | 167343 | 10 | US-09-964-824A-273 | Sequence 273, App |
| C 271 | 45 | 4.5 | 22255 | 10 | US-09-976-740-51 | Sequence 51, Appli | C 344 | 44 | 4.4 | 263744 | 12 | US-10-229-834A-6 | Sequence 6, Appli |
| C 272 | 45 | 4.5 | 22255 | 13 | US-10-023-529-51 | Sequence 51, Appli | C 345 | 44 | 4.4 | 684978 | 12 | US-09-263-959-1 | Sequence 1, Appli |
| C 273 | 45 | 4.5 | 32199 | 10 | US-09-764-855-210 | Sequence 210, App | C 346 | 44 | 4.4 | 3673778 | 12 | US-10-312-841-1 | Sequence 2, Appli |
| C 274 | 45 | 4.5 | 32199 | 10 | US-10-072-349-2129 | Sequence 210, App | C 347 | 44 | 4.4 | 3673778 | 12 | US-10-312-841-1 | Sequence 2, Appli |
| C 275 | 45 | 4.5 | 35425 | 14 | US-10-017-161-2429 | Sequence 2429, App | C 348 | 44 | 4.4 | 134 | 10 | US-09-764-877-3129 | Sequence 3129, App |
| C 276 | 45 | 4.5 | 40433 | 10 | US-09-880-107-327 | Sequence 327, App | C 349 | 44 | 4.4 | 271 | 10 | US-09-867-701-814 | Sequence 814, App |
| C 277 | 45 | 4.5 | 43950 | 15 | US-10-060-332-3 | Sequence 3, Appli | C 350 | 44 | 4.4 | 303 | 9 | US-09-764-887-640 | Sequence 640, App |
| C 278 | 45 | 4.5 | 43950 | 15 | US-10-060-332-3 | Sequence 3, Appli | C 351 | 44 | 4.4 | 303 | 14 | US-10-073-961-640 | Sequence 640, App |
| C 279 | 45 | 4.5 | 107820 | 12 | US-09-792-616-1 | Sequence 1, Appli | C 352 | 44 | 4.4 | 305 | 11 | US-09-803-313-088 | Sequence 50, Appli |
| C 280 | 45 | 4.5 | 108317 | 12 | US-10-017-161-2143 | Sequence 2143, App | C 353 | 44 | 4.4 | 309 | 14 | US-10-103-712-608 | Sequence 608, App |
| C 281 | 44 | 4.4 | 54 | 10 | US-09-263-959-519 | Sequence 519, App | C 354 | 44 | 4.4 | 331 | 11 | US-09-764-891-7724 | Sequence 7724, App |
| C 282 | 44 | 4.4 | 461 | 13 | US-10-027-632-30851 | Sequence 30851, App | C 355 | 44 | 4.4 | 331 | 11 | US-09-764-891-7725 | Sequence 7725, App |
| C 283 | 44 | 4.4 | 548 | 13 | US-10-027-632-259630 | Sequence 259630, App | C 356 | 44 | 4.4 | 362 | 10 | US-09-867-701-7428 | Sequence 7428, App |
| C 284 | 44 | 4.4 | 550 | 13 | US-10-027-632-277755 | Sequence 277755, App | C 357 | 44 | 4.4 | 423 | 11 | US-09-814-353-16157 | Sequence 16157, App |
| C 285 | 44 | 4.4 | 559 | 12 | US-09-814-353-16116 | Sequence 16116, App | C 358 | 44 | 4.4 | 443 | 11 | US-09-918-995-8365 | Sequence 8365, App |
| C 286 | 44 | 4.4 | 559 | 12 | US-09-263-959-367 | Sequence 367, App | C 359 | 44 | 4.4 | 456 | 13 | US-09-918-995-8365 | Sequence 15691, App |
| C 287 | 44 | 4.4 | 624 | 10 | US-10-027-632-245502 | Sequence 245502, App | C 360 | 44 | 4.4 | 472 | 13 | US-10-027-632-181995 | Sequence 181995, App |
| C 288 | 44 | 4.4 | 659 | 13 | US-10-027-632-141217 | Sequence 141217, App | C 361 | 44 | 4.4 | 472 | 13 | US-10-027-632-140253 | Sequence 140253, App |
| C 289 | 44 | 4.4 | 659 | 13 | US-10-027-632-141218 | Sequence 141218, App | C 362 | 44 | 4.4 | 483 | 11 | US-10-027-632-140254 | Sequence 140254, App |
| C 290 | 44 | 4.4 | 659 | 13 | US-10-027-632-141219 | Sequence 141219, App | C 363 | 44 | 4.4 | 495 | 11 | US-09-918-995-17637 | Sequence 17637, App |
| C 291 | 44 | 4.4 | 781 | 13 | US-10-027-632-137189 | Sequence 137189, App | C 364 | 44 | 4.4 | 495 | 11 | US-09-918-995-17637 | Sequence 17637, App |
| C 292 | 44 | 4.4 | 781 | 13 | US-10-027-632-137189 | Sequence 137189, App | C 365 | 44 | 4.4 | 499 | 11 | US-09-918-995-17637 | Sequence 17637, App |
| C 293 | 44 | 4.4 | 784 | 13 | US-10-027-632-163558 | Sequence 163558, App | C 366 | 44 | 4.4 | 519 | 13 | US-10-027-632-16650 | Sequence 16650, App |
| C 294 | 44 | 4.4 | 1088 | 13 | US-10-027-632-252346 | Sequence 252346, App | C 367 | 44 | 4.4 | 519 | 14 | US-10-198-846-13266 | Sequence 13266, App |
| C 295 | 44 | 4.4 | 1352 | 13 | US-10-027-632-207750 | Sequence 207750, App | C 368 | 44 | 4.4 | 543 | 10 | US-09-764-847-1763 | Sequence 1763, App |
| C 296 | 44 | 4.4 | 1352 | 13 | US-10-027-632-123343 | Sequence 123343, App | C 369 | 44 | 4.4 | 543 | 10 | US-09-764-847-1766 | Sequence 1766, App |
| C 297 | 44 | 4.4 | 1352 | 13 | US-10-027-632-123344 | Sequence 123344, App | C 370 | 44 | 4.4 | 543 | 10 | US-09-764-847-1767 | Sequence 1767, App |
| C 298 | 44 | 4.4 | 2108 | 13 | US-10-027-632-99985 | Sequence 99985, App | C 371 | 44 | 4.4 | 543 | 14 | US-10-092-154-1763 | Sequence 1763, App |
| C 299 | 44 | 4.4 | 2108 | 13 | US-10-027-632-110221 | Sequence 110221, App | C 372 | 44 | 4.4 | 543 | 14 | US-10-092-154-1766 | Sequence 1766, App |
| C 300 | 44 | 4.4 | 2583 | 13 | US-10-027-632-111867 | Sequence 111867, App | C 373 | 44 | 4.4 | 543 | 14 | US-10-092-154-1767 | Sequence 1767, App |
| C 301 | 44 | 4.4 | 2778 | 13 | US-10-027-632-112214 | Sequence 112214, App | C 374 | 44 | 4.4 | 558 | 11 | US-09-918-995-28632 | Sequence 28632, App |
| C 302 | 44 | 4.4 | 2778 | 13 | US-10-027-632-112215 | Sequence 112215, App | C 375 | 44 | 4.4 | 559 | 13 | US-10-027-632-221853 | Sequence 221853, App |
| C 303 | 44 | 4.4 | 4342 | 12 | US-10-017-161-821 | Sequence 821, App | C 376 | 44 | 4.4 | 559 | 13 | US-10-027-632-221853 | Sequence 221853, App |
| C 304 | 44 | 4.4 | 5298 | 12 | US-10-098-841-254 | Sequence 821, App | C 377 | 44 | 4.4 | 570 | 13 | US-10-027-632-21956 | Sequence 21956, App |
| C 305 | 44 | 4.4 | 5954 | 12 | US-10-240-448-100 | Sequence 100, App | C 378 | 44 | 4.4 | 584 | 13 | US-10-027-632-129238 | Sequence 129238, App |
| C 306 | 44 | 4.4 | 6053 | 11 | US-09-764-891-7250 | Sequence 7250, App | C 379 | 44 | 4.4 | 585 | 13 | US-10-027-632-8384 | Sequence 8384, App |
| C 307 | 44 | 4.4 | 8326 | 11 | US-09-764-891-7250 | Sequence 7250, App | C 380 | 44 | 4.4 | 585 | 13 | US-10-027-632-8384 | Sequence 8384, App |
| C 308 | 44 | 4.4 | 8326 | 11 | US-09-764-891-7250 | Sequence 7250, App | C 381 | 44 | 4.4 | 585 | 13 | US-10-027-632-8385 | Sequence 8385, App |

| | | | | | | | | | | | |
|-----|-----|------|----|-----------------------|---------------------|-----|-----|-------|----|----------------------|---------------------|
| 382 | 4.3 | 585 | 13 | US-10-027-632-8386 | Sequence 8386, Ap | 455 | 4.3 | 1721 | 13 | US-10-027-632-25575 | Sequence 25575, |
| 383 | 4.3 | 585 | 13 | US-10-027-632-192686 | Sequence 192686, | 456 | 4.3 | 1721 | 13 | US-10-027-632-25576 | Sequence 25576, |
| 384 | 4.3 | 585 | 13 | US-10-027-632-19388 | Sequence 19388, A | 457 | 4.3 | 1918 | 10 | US-09-816-669A-11 | Sequence 11, Appl |
| 385 | 4.3 | 586 | 13 | US-10-027-632-19959 | Sequence 19959, A | 458 | 4.3 | 2067 | 12 | US-10-017-161-573 | Sequence 573, Appl |
| 386 | 4.3 | 586 | 13 | US-10-027-632-19960 | Sequence 19960, A | 459 | 4.3 | 2200 | 13 | US-10-027-632-97902 | Sequence 97902, A |
| 387 | 4.3 | 591 | 13 | US-10-027-632-61212 | Sequence 61212, A | 460 | 4.3 | 2200 | 13 | US-10-027-632-111479 | Sequence 111479, A |
| 388 | 4.3 | 591 | 13 | US-10-027-632-61213 | Sequence 61213, A | 461 | 4.3 | 2212 | 13 | US-10-027-632-102164 | Sequence 102164, A |
| 389 | 4.3 | 593 | 13 | US-10-027-632-222044 | Sequence 222044, A | 462 | 4.3 | 2222 | 13 | US-10-027-632-102165 | Sequence 102165, A |
| 390 | 4.3 | 593 | 13 | US-10-027-632-222045 | Sequence 222045, A | 463 | 4.3 | 2355 | 13 | US-10-027-632-111278 | Sequence 111278, A |
| 391 | 4.3 | 598 | 13 | US-10-027-632-181977 | Sequence 181977, A | 464 | 4.3 | 2344 | 11 | US-09-764-891-9494 | Sequence 9494, Ap |
| 392 | 4.3 | 601 | 13 | US-10-027-632-81562 | Sequence 81562, A | 465 | 4.3 | 2385 | 11 | US-09-964-275B-1 | Sequence 1, Appl |
| 393 | 4.3 | 601 | 13 | US-10-027-632-315512 | Sequence 315512, A | 466 | 4.3 | 2472 | 11 | US-09-964-275B-3 | Sequence 3, Appl |
| 394 | 4.3 | 604 | 14 | US-10-198-846-6336 | Sequence 6396, Ap | 467 | 4.3 | 2538 | 11 | US-09-964-275B-5 | Sequence 5, Appl |
| 395 | 4.3 | 605 | 13 | US-09-880-107-3609 | Sequence 3609, Ap | 468 | 4.3 | 2556 | 12 | US-09-814-351-21997 | Sequence 21997, A |
| 396 | 4.3 | 608 | 13 | US-10-027-632-22459 | Sequence 22459, A | 469 | 4.3 | 2562 | 11 | US-09-964-275B-7 | Sequence 7, Appl |
| 397 | 4.3 | 608 | 13 | US-10-027-632-291075 | Sequence 291075, A | 470 | 4.3 | 2658 | 11 | US-09-964-275B-9 | Sequence 9, Appl |
| 398 | 4.3 | 609 | 13 | US-10-027-632-115127 | Sequence 115127, A | 471 | 4.3 | 2801 | 13 | US-10-027-632-111776 | Sequence 111776, A |
| 399 | 4.3 | 610 | 13 | US-10-027-632-257035 | Sequence 257035, A | 472 | 4.3 | 2811 | 13 | US-10-027-632-111775 | Sequence 111775, A |
| 400 | 4.3 | 610 | 13 | US-10-027-632-257036 | Sequence 257036, A | 473 | 4.3 | 2969 | 10 | US-09-764-877-3288 | Sequence 3288, Ap |
| 401 | 4.3 | 614 | 13 | US-10-027-632-257037 | Sequence 257037, A | 474 | 4.3 | 2978 | 10 | US-09-764-877-3286 | Sequence 3286, Ap |
| 402 | 4.3 | 617 | 13 | US-10-027-632-195595 | Sequence 195595, A | 475 | 4.3 | 3298 | 10 | US-09-764-877-3287 | Sequence 3287, Ap |
| 403 | 4.3 | 617 | 13 | US-10-027-632-85988 | Sequence 85988, A | 476 | 4.3 | 3058 | 13 | US-10-027-632-112343 | Sequence 112343, A |
| 404 | 4.3 | 617 | 13 | US-10-027-632-304859 | Sequence 304859, A | 477 | 4.3 | 3058 | 13 | US-10-027-632-115999 | Sequence 115999, A |
| 405 | 4.3 | 619 | 13 | US-10-027-632-139140 | Sequence 139140, A | 478 | 4.3 | 3058 | 13 | US-10-027-632-116000 | Sequence 116000, A |
| 406 | 4.3 | 621 | 13 | US-10-027-632-202975 | Sequence 202975, A | 479 | 4.3 | 3127 | 10 | US-09-954-456-74 | Sequence 74, Appl |
| 407 | 4.3 | 624 | 13 | US-10-027-632-188045 | Sequence 188045, A | 480 | 4.3 | 3127 | 10 | US-09-954-456-74 | Sequence 74, Appl |
| 408 | 4.3 | 625 | 13 | US-10-027-632-253588 | Sequence 253588, A | 481 | 4.3 | 3214 | 11 | US-09-764-891-9356 | Sequence 9356, Ap |
| 409 | 4.3 | 625 | 13 | US-10-027-632-253589 | Sequence 253589, A | 482 | 4.3 | 3214 | 14 | US-10-027-632-113528 | Sequence 802, Appl |
| 410 | 4.3 | 634 | 13 | US-10-027-632-195690 | Sequence 195690, A | 483 | 4.3 | 3311 | 13 | US-10-027-632-113529 | Sequence 113529, A |
| 411 | 4.3 | 644 | 13 | US-10-027-632-21125 | Sequence 21125, A | 484 | 4.3 | 3311 | 13 | US-10-027-632-113529 | Sequence 113529, A |
| 412 | 4.3 | 649 | 13 | US-10-027-632-106335 | Sequence 106335, A | 485 | 4.3 | 3404 | 13 | US-10-027-632-114005 | Sequence 114005, A |
| 413 | 4.3 | 652 | 13 | US-10-027-632-143095 | Sequence 143095, A | 486 | 4.3 | 3404 | 13 | US-10-027-632-114401 | Sequence 114401, A |
| 414 | 4.3 | 652 | 13 | US-10-027-632-143096 | Sequence 143096, A | 487 | 4.3 | 5189 | 11 | US-09-998-027-5 | Sequence 5, Appl |
| 415 | 4.3 | 656 | 13 | US-10-027-632-190990 | Sequence 190990, A | 488 | 4.3 | 5189 | 12 | US-10-165-099-5 | Sequence 5, Appl |
| 416 | 4.3 | 663 | 13 | US-10-027-632-204421 | Sequence 204421, A | 489 | 4.3 | 5194 | 11 | US-09-998-027-6 | Sequence 6, Appl |
| 417 | 4.3 | 676 | 13 | US-10-027-632-220549 | Sequence 220549, A | 490 | 4.3 | 5194 | 12 | US-10-165-099-6 | Sequence 6, Appl |
| 418 | 4.3 | 676 | 13 | US-10-027-632-220550 | Sequence 220550, A | 491 | 4.3 | 5549 | 10 | US-09-764-877-2860 | Sequence 2860, Ap |
| 419 | 4.3 | 690 | 13 | US-10-027-632-128489 | Sequence 128489, A | 492 | 4.3 | 5797 | 11 | US-09-764-891-6093 | Sequence 6093, Ap |
| 420 | 4.3 | 702 | 13 | US-10-027-632-167039 | Sequence 167039, A | 493 | 4.3 | 6470 | 14 | US-10-074-475-118 | Sequence 118, Appl |
| 421 | 4.3 | 708 | 13 | US-10-027-632-129654 | Sequence 129654, A | 494 | 4.3 | 9439 | 10 | US-09-764-877-2224 | Sequence 2224, Ap |
| 422 | 4.3 | 710 | 13 | US-10-027-632-151884 | Sequence 151884, A | 495 | 4.3 | 9700 | 10 | US-09-953-342-1 | Sequence 1, Appl |
| 423 | 4.3 | 714 | 13 | US-10-027-632-158850 | Sequence 158850, A | 496 | 4.3 | 9887 | 13 | US-10-000-638-7 | Sequence 7, Appl |
| 424 | 4.3 | 717 | 13 | US-10-027-632-25840 | Sequence 25840, A | 497 | 4.3 | 12149 | 9 | US-09-764-869-2258 | Sequence 2258, Ap |
| 425 | 4.3 | 722 | 13 | US-10-027-632-264116 | Sequence 264116, A | 498 | 4.3 | 12541 | 14 | US-10-091-504-2258 | Sequence 2184, Ap |
| 426 | 4.3 | 722 | 13 | US-10-027-632-264117 | Sequence 264117, A | 499 | 4.3 | 12541 | 14 | US-09-764-877-2184 | Sequence 787, Appl |
| 427 | 4.3 | 738 | 9 | US-09-822-849A-505 | Sequence 505, Appl | 500 | 4.3 | 12919 | 12 | US-10-017-161-787 | Sequence 2, Appl |
| 428 | 4.3 | 738 | 13 | US-10-027-632-165487 | Sequence 165487, A | 501 | 4.3 | 13700 | 14 | US-10-220-310-2 | Sequence 3, Appl |
| 429 | 4.3 | 755 | 14 | US-10-198-846-6462 | Sequence 6462, Ap | 502 | 4.3 | 13862 | 11 | US-09-764-891-5477 | Sequence 5477, Ap |
| 430 | 4.3 | 755 | 13 | US-10-027-632-144049 | Sequence 144049, A | 503 | 4.3 | 13862 | 11 | US-09-764-891-10204 | Sequence 10204, A |
| 431 | 4.3 | 801 | 13 | US-10-027-632-148070 | Sequence 148070, A | 504 | 4.3 | 13862 | 14 | US-10-205-428-1003 | Sequence 1003, Ap |
| 432 | 4.3 | 818 | 13 | US-10-027-632-158822 | Sequence 158822, A | 505 | 4.3 | 14417 | 10 | US-09-860-670-251 | Sequence 251, Appl |
| 433 | 4.3 | 818 | 13 | US-10-027-632-158823 | Sequence 158823, A | 506 | 4.3 | 14426 | 10 | US-09-860-670-252 | Sequence 252, Appl |
| 434 | 4.3 | 839 | 13 | US-10-027-632-173085 | Sequence 173085, A | 507 | 4.3 | 14448 | 10 | US-09-860-670-253 | Sequence 253, Appl |
| 435 | 4.3 | 850 | 13 | US-10-027-632-146493 | Sequence 146493, A | 508 | 4.3 | 14451 | 10 | US-09-860-670-253 | Sequence 253, Appl |
| 436 | 4.3 | 898 | 13 | US-10-027-632-129363 | Sequence 129363, A | 509 | 4.3 | 15016 | 10 | US-09-880-107-3783 | Sequence 3783, Ap |
| 437 | 4.3 | 944 | 13 | US-10-027-632-165226 | Sequence 165226, A | 510 | 4.3 | 16236 | 12 | US-10-311-455-9955 | Sequence 9955, Appl |
| 438 | 4.3 | 955 | 13 | US-10-027-632-101124 | Sequence 101124, A | 511 | 4.3 | 16319 | 9 | US-09-764-848-53 | Sequence 53, Appl |
| 439 | 4.3 | 1034 | 11 | US-09-764-891-9355 | Sequence 9355, Ap | 512 | 4.3 | 16319 | 12 | US-10-222-020-53 | Sequence 53, Appl |
| 440 | 4.3 | 1034 | 14 | US-10-205-428-801 | Sequence 801, Appl | 513 | 4.3 | 16319 | 14 | US-10-116-016-53 | Sequence 53, Appl |
| 441 | 4.3 | 1038 | 13 | US-10-027-632-266311 | Sequence 266311, A | 514 | 4.3 | 16511 | 9 | US-09-764-863-2064 | Sequence 2064, Ap |
| 442 | 4.3 | 1069 | 13 | US-10-027-632-101309 | Sequence 101309, A | 515 | 4.3 | 16511 | 14 | US-10-091-504-2064 | Sequence 2064, Ap |
| 443 | 4.3 | 1069 | 13 | US-10-027-632-101310 | Sequence 101310, A | 516 | 4.3 | 17601 | 11 | US-09-764-891-7111 | Sequence 7111, Ap |
| 444 | 4.3 | 1069 | 13 | US-10-027-632-101311 | Sequence 101311, A | 517 | 4.3 | 17996 | 10 | US-09-764-877-2695 | Sequence 2695, Ap |
| 445 | 4.3 | 1163 | 13 | US-10-027-632-1100851 | Sequence 1100851, A | 518 | 4.3 | 18934 | 12 | US-10-311-455-1979 | Sequence 1979, Ap |
| 446 | 4.3 | 1163 | 13 | US-10-027-632-118279 | Sequence 118279, A | 519 | 4.3 | 18946 | 9 | US-09-764-863-1682 | Sequence 1682, Ap |
| 447 | 4.3 | 1224 | 13 | US-10-027-632-116810 | Sequence 116810, A | 520 | 4.3 | 19646 | 9 | US-09-764-863-1683 | Sequence 1683, Ap |
| 448 | 4.3 | 1224 | 13 | US-10-027-632-250266 | Sequence 250266, A | 521 | 4.3 | 19646 | 14 | US-10-091-504-1683 | Sequence 1683, Ap |
| 449 | 4.3 | 1372 | 13 | US-10-027-632-250266 | Sequence 250266, A | 522 | 4.3 | 19646 | 14 | US-10-091-504-1683 | Sequence 1683, Ap |
| 450 | 4.3 | 1455 | 13 | US-10-027-632-264402 | Sequence 264402, A | 523 | 4.3 | 19969 | 11 | US-10-190-593-3 | Sequence 3, Appl |
| 451 | 4.3 | 1556 | 13 | US-10-027-632-264993 | Sequence 264993, A | 524 | 4.3 | 20190 | 11 | US-09-996-015-3 | Sequence 3, Appl |
| 452 | 4.3 | 1721 | 13 | US-10-027-632-255572 | Sequence 255572, A | 525 | 4.3 | 21334 | 12 | US-10-338-656-3 | Sequence 3, Appl |
| 453 | 4.3 | 1721 | 13 | US-10-027-632-255573 | Sequence 255573, A | 526 | 4.3 | 21334 | 12 | US-10-109-854-3 | Sequence 3, Appl |
| 454 | 4.3 | 1721 | 13 | US-10-027-632-255574 | Sequence 255574, A | 527 | 4.3 | 24977 | 11 | US-09-764-891-5951 | Sequence 5951, Ap |

| | | | | | | | | | | | | | |
|-------|----|-----|---------|----|----------------------|--------------------|-----|----|-----|-----|----|----------------------|--------------------|
| C 528 | 43 | 4.3 | 24977 | 11 | US-09-764-891-8476 | Sequence 8476, Ap | 601 | 42 | 4.2 | 492 | 13 | US-10-027-632-278690 | Sequence 278690, |
| C 529 | 43 | 4.3 | 24983 | 11 | US-09-764-891-5950 | Sequence 5950, Ap | 602 | 42 | 4.2 | 505 | 14 | US-09-764-860-881 | Sequence 881, App |
| C 530 | 43 | 4.3 | 24983 | 11 | US-09-764-891-8475 | Sequence 8475, Ap | 603 | 42 | 4.2 | 505 | 14 | US-10-074-095-881 | Sequence 881, App |
| C 531 | 43 | 4.3 | 27148 | 9 | US-09-764-860-1046 | Sequence 1046, Ap | 604 | 42 | 4.2 | 507 | 11 | US-09-918-995-35668 | Sequence 35668, A |
| C 532 | 43 | 4.3 | 27148 | 10 | US-10-074-095-1046 | Sequence 1046, Ap | 605 | 42 | 4.2 | 513 | 13 | US-10-027-632-194609 | Sequence 194609, |
| C 533 | 43 | 4.3 | 29695 | 10 | US-09-752-820A-3 | Sequence 3, Appl1 | 606 | 42 | 4.2 | 513 | 13 | US-10-027-632-194610 | Sequence 194610, |
| C 534 | 43 | 4.3 | 29695 | 10 | US-09-813-319A-3 | Sequence 3, Appl1 | 607 | 42 | 4.2 | 519 | 9 | US-09-764-860-880 | Sequence 880, App |
| C 535 | 43 | 4.3 | 30350 | 13 | US-10-118-328-3 | Sequence 813, App | 608 | 42 | 4.2 | 519 | 14 | US-10-074-095-880 | Sequence 880, App |
| C 536 | 43 | 4.3 | 31718 | 11 | US-09-764-872-812 | Sequence 812, App | 609 | 42 | 4.2 | 526 | 13 | US-10-027-632-50154 | Sequence 50154, A |
| C 537 | 43 | 4.3 | 31718 | 11 | US-09-764-872-813 | Sequence 813, App | 610 | 42 | 4.2 | 526 | 13 | US-10-027-632-50155 | Sequence 50155, A |
| C 538 | 43 | 4.3 | 31718 | 11 | US-09-764-891-9103 | Sequence 9103, Ap | 611 | 42 | 4.2 | 543 | 13 | US-10-027-632-127050 | Sequence 127050, |
| C 539 | 43 | 4.3 | 31718 | 11 | US-09-764-891-9104 | Sequence 9104, Ap | 612 | 42 | 4.2 | 543 | 13 | US-10-027-632-127051 | Sequence 127051, |
| C 540 | 43 | 4.3 | 32134 | 11 | US-09-764-891-6763 | Sequence 6763, Ap | 613 | 42 | 4.2 | 553 | 13 | US-10-027-632-51486 | Sequence 51486, A |
| C 541 | 43 | 4.3 | 32185 | 10 | US-09-764-877-3171 | Sequence 3171, Ap | 614 | 42 | 4.2 | 553 | 13 | US-10-027-632-53744 | Sequence 53744, A |
| C 542 | 43 | 4.3 | 32193 | 10 | US-09-764-877-2623 | Sequence 2623, Ap | 615 | 42 | 4.2 | 553 | 13 | US-10-027-632-137768 | Sequence 137768, |
| C 543 | 43 | 4.3 | 32193 | 10 | US-09-764-877-2623 | Sequence 2623, Ap | 616 | 42 | 4.2 | 553 | 13 | US-10-027-632-137768 | Sequence 137768, |
| C 544 | 43 | 4.3 | 32193 | 10 | US-09-880-107-2184 | Sequence 2184, Ap | 617 | 42 | 4.2 | 554 | 12 | US-10-027-632-121352 | Sequence 121352, |
| C 545 | 43 | 4.3 | 34641 | 10 | US-09-954-456-1110 | Sequence 1110, Ap | 618 | 42 | 4.2 | 554 | 12 | US-09-814-353-2738 | Sequence 2738, Ap |
| C 546 | 43 | 4.3 | 34641 | 10 | US-09-954-456-1110 | Sequence 1110, Ap | 619 | 42 | 4.2 | 567 | 13 | US-10-027-632-259705 | Sequence 259705, A |
| C 547 | 43 | 4.3 | 35465 | 14 | US-10-161-572-6 | Sequence 1787, Ap | 620 | 42 | 4.2 | 567 | 13 | US-10-027-632-259714 | Sequence 259714, |
| C 548 | 43 | 4.3 | 36991 | 14 | US-10-161-572-8 | Sequence 8, Appl1 | 621 | 42 | 4.2 | 573 | 13 | US-10-027-632-286915 | Sequence 286915, |
| C 549 | 43 | 4.3 | 41907 | 9 | US-09-967-013-5 | Sequence 5, Appl1 | 622 | 42 | 4.2 | 585 | 13 | US-10-027-632-190487 | Sequence 190487, |
| C 550 | 43 | 4.3 | 46718 | 10 | US-09-816-093-3 | Sequence 3, Appl1 | 623 | 42 | 4.2 | 585 | 13 | US-10-027-632-204583 | Sequence 204583, |
| C 551 | 43 | 4.3 | 46718 | 14 | US-10-274-873-3 | Sequence 3, Appl1 | 624 | 42 | 4.2 | 585 | 13 | US-10-027-632-204584 | Sequence 204584, |
| C 552 | 43 | 4.3 | 50000 | 11 | US-09-902-214-6 | Sequence 6, Appl1 | 625 | 42 | 4.2 | 594 | 13 | US-10-027-632-277066 | Sequence 277066, |
| C 553 | 43 | 4.3 | 52216 | 9 | US-09-747-810-1 | Sequence 1, Appl1 | 626 | 42 | 4.2 | 594 | 13 | US-10-027-632-277067 | Sequence 277067, |
| C 554 | 43 | 4.3 | 53542 | 9 | US-09-801-574-61 | Sequence 61, Appl1 | 627 | 42 | 4.2 | 598 | 13 | US-10-027-632-107196 | Sequence 107196, |
| C 555 | 43 | 4.3 | 62944 | 10 | US-09-954-456-2257 | Sequence 2257, Ap | 628 | 42 | 4.2 | 604 | 13 | US-10-027-632-111118 | Sequence 111118, |
| C 556 | 43 | 4.3 | 63000 | 10 | US-09-780-172-18 | Sequence 18, Appl1 | 629 | 42 | 4.2 | 613 | 13 | US-10-027-632-272626 | Sequence 272626, |
| C 557 | 43 | 4.3 | 65464 | 10 | US-09-859-888-3 | Sequence 3, Appl1 | 630 | 42 | 4.2 | 613 | 13 | US-10-027-632-272627 | Sequence 272627, |
| C 558 | 43 | 4.3 | 73308 | 10 | US-09-954-456-2276 | Sequence 2276, Ap | 631 | 42 | 4.2 | 617 | 13 | US-10-027-632-240596 | Sequence 240596, |
| C 559 | 43 | 4.3 | 74962 | 14 | US-10-274-974-3 | Sequence 3, Appl1 | 632 | 42 | 4.2 | 617 | 13 | US-10-027-632-240597 | Sequence 240597, |
| C 560 | 43 | 4.3 | 88624 | 12 | US-10-292-081A-1 | Sequence 1, Appl1 | 633 | 42 | 4.2 | 617 | 13 | US-10-027-632-240598 | Sequence 240598, |
| C 561 | 43 | 4.3 | 91000 | 14 | US-10-002-491-10 | Sequence 10, Appl1 | 634 | 42 | 4.2 | 617 | 13 | US-10-027-632-240599 | Sequence 240599, |
| C 562 | 43 | 4.3 | 98885 | 10 | US-09-770-689A-3 | Sequence 3, Appl1 | 635 | 42 | 4.2 | 621 | 13 | US-10-027-632-25087 | Sequence 25087, A |
| C 563 | 43 | 4.3 | 119596 | 14 | US-10-270-336-3 | Sequence 3, Appl1 | 636 | 42 | 4.2 | 621 | 13 | US-10-027-632-269259 | Sequence 269259, |
| C 564 | 43 | 4.3 | 128779 | 15 | US-10-081-327-38 | Sequence 38, Appl1 | 637 | 42 | 4.2 | 624 | 13 | US-10-027-632-269260 | Sequence 269260, |
| C 565 | 43 | 4.3 | 132762 | 10 | US-09-954-556-17 | Sequence 17, Appl1 | 638 | 42 | 4.2 | 624 | 13 | US-10-027-632-212491 | Sequence 212491, |
| C 566 | 43 | 4.3 | 143306 | 10 | US-09-729-920-3 | Sequence 3, Appl1 | 639 | 42 | 4.2 | 627 | 13 | US-10-027-632-128112 | Sequence 128112, |
| C 567 | 43 | 4.3 | 145831 | 10 | US-09-969-708-79 | Sequence 79, Appl1 | 640 | 42 | 4.2 | 630 | 13 | US-10-027-632-212788 | Sequence 212788, |
| C 568 | 43 | 4.3 | 145831 | 10 | US-09-954-456-2116 | Sequence 2116, Ap | 641 | 42 | 4.2 | 630 | 13 | US-10-027-632-137382 | Sequence 137382, |
| C 569 | 43 | 4.3 | 145831 | 12 | US-09-873-367C-446 | Sequence 446, App | 642 | 42 | 4.2 | 631 | 13 | US-10-027-632-185045 | Sequence 185045, |
| C 570 | 43 | 4.3 | 149480 | 12 | US-09-873-367C-284 | Sequence 284, App | 643 | 42 | 4.2 | 632 | 13 | US-10-027-632-224489 | Sequence 224489, |
| C 571 | 43 | 4.3 | 149480 | 12 | US-09-873-367C-284 | Sequence 284, App | 644 | 42 | 4.2 | 637 | 13 | US-10-027-632-188400 | Sequence 188400, |
| C 572 | 43 | 4.3 | 149480 | 12 | US-09-873-367C-285 | Sequence 285, App | 645 | 42 | 4.2 | 637 | 13 | US-10-027-632-264247 | Sequence 264247, |
| C 573 | 43 | 4.3 | 149480 | 12 | US-09-873-367C-285 | Sequence 285, App | 646 | 42 | 4.2 | 645 | 13 | US-10-027-632-265593 | Sequence 265593, |
| C 574 | 43 | 4.3 | 170834 | 9 | US-09-835-832-7 | Sequence 7, Appl1 | 647 | 42 | 4.2 | 657 | 13 | US-10-027-632-280368 | Sequence 280368, |
| C 575 | 43 | 4.3 | 170834 | 12 | US-10-308-485-7 | Sequence 7, Appl1 | 648 | 42 | 4.2 | 658 | 14 | US-10-027-632-280368 | Sequence 280368, |
| C 576 | 43 | 4.3 | 186957 | 14 | US-10-185-770-3 | Sequence 3, Appl1 | 649 | 42 | 4.2 | 675 | 14 | US-10-198-846-886 | Sequence 886, App |
| C 577 | 43 | 4.3 | 198285 | 10 | US-09-880-107-3814 | Sequence 3814, Ap | 650 | 42 | 4.2 | 681 | 13 | US-10-027-632-235856 | Sequence 235856, |
| C 578 | 43 | 4.3 | 203654 | 10 | US-09-820-905-3 | Sequence 3, Appl1 | 651 | 42 | 4.2 | 685 | 13 | US-10-027-632-152872 | Sequence 152872, |
| C 579 | 43 | 4.3 | 250000 | 12 | US-10-225-810-26 | Sequence 26, Appl1 | 652 | 42 | 4.2 | 699 | 13 | US-10-027-632-25590 | Sequence 25590, A |
| C 580 | 43 | 4.3 | 326014 | 9 | US-09-731-231A-3 | Sequence 3, Appl1 | 653 | 42 | 4.2 | 710 | 13 | US-10-027-632-23580 | Sequence 23580, A |
| C 581 | 43 | 4.3 | 2940917 | 13 | US-10-027-632-174763 | Sequence 1, Appl1 | 654 | 42 | 4.2 | 715 | 13 | US-10-027-632-12215 | Sequence 12215, A |
| C 582 | 42 | 4.2 | 231 | 11 | US-09-764-891-9314 | Sequence 9314, Ap | 655 | 42 | 4.2 | 716 | 13 | US-10-027-632-286262 | Sequence 286262, |
| C 583 | 42 | 4.2 | 353 | 11 | US-09-803-719-489 | Sequence 489, App | 656 | 42 | 4.2 | 731 | 13 | US-10-027-632-27029 | Sequence 27029, A |
| C 584 | 42 | 4.2 | 359 | 10 | US-09-867-701-750 | Sequence 750, App | 657 | 42 | 4.2 | 731 | 13 | US-10-027-632-27030 | Sequence 27030, A |
| C 585 | 42 | 4.2 | 360 | 12 | US-09-814-353-15455 | Sequence 15455, A | 658 | 42 | 4.2 | 732 | 13 | US-10-027-632-157770 | Sequence 157770, |
| C 586 | 42 | 4.2 | 378 | 13 | US-10-027-632-73590 | Sequence 73590, A | 659 | 42 | 4.2 | 737 | 13 | US-10-027-632-147604 | Sequence 147604, |
| C 587 | 42 | 4.2 | 392 | 10 | US-09-867-701-7329 | Sequence 7329, App | 660 | 42 | 4.2 | 746 | 13 | US-10-027-632-17823 | Sequence 17823, A |
| C 588 | 42 | 4.2 | 396 | 10 | US-09-880-107-442 | Sequence 442, App | 661 | 42 | 4.2 | 746 | 13 | US-10-027-632-124609 | Sequence 124609, |
| C 589 | 42 | 4.2 | 408 | 10 | US-09-867-701-592 | Sequence 592, App | 662 | 42 | 4.2 | 746 | 13 | US-10-027-632-150470 | Sequence 150470, |
| C 590 | 42 | 4.2 | 410 | 10 | US-09-764-877-572 | Sequence 572, App | 663 | 42 | 4.2 | 746 | 13 | US-10-027-632-150471 | Sequence 150471, |
| C 591 | 42 | 4.2 | 412 | 10 | US-09-867-701-8062 | Sequence 8062, App | 664 | 42 | 4.2 | 746 | 13 | US-10-027-632-150472 | Sequence 150472, |
| C 592 | 42 | 4.2 | 412 | 10 | US-09-918-995-12197 | Sequence 12197, A | 665 | 42 | 4.2 | 754 | 13 | US-10-027-632-151633 | Sequence 151633, |
| C 593 | 42 | 4.2 | 447 | 11 | US-09-918-995-10736 | Sequence 10736, A | 666 | 42 | 4.2 | 754 | 13 | US-10-027-632-151634 | Sequence 151634, |
| C 594 | 42 | 4.2 | 463 | 11 | US-09-918-995-5318 | Sequence 5318, Ap | 667 | 42 | 4.2 | 754 | 13 | US-10-027-632-151635 | Sequence 151635, |
| C 595 | 42 | 4.2 | 477 | 13 | US-10-027-632-125714 | Sequence 125714, A | 668 | 42 | 4.2 | 754 | 13 | US-10-027-632-151636 | Sequence 151636, |
| C 596 | 42 | 4.2 | 482 | 10 | US-09-867-701-10543 | Sequence 10543, A | 669 | 42 | 4.2 | 762 | 13 | US-10-027-632-168874 | Sequence 168874, |
| C 597 | 42 | 4.2 | 488 | 10 | US-09-878-178-187 | Sequence 187, App | 670 | 42 | 4.2 | 772 | 13 | US-10-027-632-158054 | Sequence 158054, |
| C 598 | 42 | 4.2 | 488 | 13 | US-10-046-935-187 | Sequence 187, App | 671 | 42 | 4.2 | 805 | 13 | US-10-027-632-127408 | Sequence 127408, |
| C 599 | 42 | 4.2 | 488 | 14 | US-10-146-502-187 | Sequence 187, App | 672 | 42 | 4.2 | 818 | 13 | US-10-027-632-264819 | Sequence 264819, |
| C 600 | 42 | 4.2 | 490 | 11 | US-09-918-995-9891 | Sequence 9891, App | 673 | 42 | 4.2 | 822 | 13 | US-10-027-632-166593 | Sequence 166593, |

| | | | | | | | | | | | |
|-------|----|------|----|----------------------|--------------------|-------|----|-------|----|---------------------|--------------------|
| C 674 | 42 | 822 | 13 | US-10-027-632-166594 | Sequence 166594, | C 747 | 42 | 3451 | 11 | US-09-811-285-1 | Sequence 1, Appl1 |
| C 675 | 42 | 845 | 13 | US-10-027-632-229370 | Sequence 229370, A | C 748 | 42 | 5770 | 12 | US-09-814-353-21706 | Sequence 21706, A |
| C 676 | 42 | 845 | 13 | US-10-027-632-229371 | Sequence 229371, A | C 749 | 42 | 3784 | 11 | US-09-764-891-8702 | Sequence 8702, A |
| C 677 | 42 | 845 | 13 | US-10-027-632-229372 | Sequence 229372, A | C 750 | 42 | 5935 | 9 | US-09-754-949-8 | Sequence 8, Appl1 |
| C 678 | 42 | 849 | 13 | US-10-027-632-141905 | Sequence 141905, | C 751 | 42 | 6338 | 9 | US-09-764-878-272 | Sequence 272, App |
| C 679 | 42 | 849 | 13 | US-10-027-632-141906 | Sequence 141906, | C 752 | 42 | 6338 | 9 | US-09-764-878-273 | Sequence 273, App |
| C 680 | 42 | 849 | 13 | US-10-027-632-141907 | Sequence 141907, | C 753 | 42 | 6338 | 9 | US-09-764-860-951 | Sequence 951, App |
| C 681 | 42 | 855 | 13 | US-10-027-632-161043 | Sequence 161043, | C 754 | 42 | 6338 | 9 | US-09-764-860-952 | Sequence 952, App |
| C 682 | 42 | 855 | 13 | US-10-027-632-161044 | Sequence 161044, | C 755 | 42 | 6338 | 14 | US-10-079-854-272 | Sequence 272, App |
| C 683 | 42 | 855 | 13 | US-10-027-632-161045 | Sequence 161045, | C 756 | 42 | 6338 | 14 | US-10-079-854-273 | Sequence 273, App |
| C 684 | 42 | 855 | 13 | US-10-027-632-166488 | Sequence 166488, | C 757 | 42 | 6338 | 14 | US-10-074-095-951 | Sequence 951, App |
| C 685 | 42 | 857 | 13 | US-10-027-632-161976 | Sequence 161976, | C 758 | 42 | 6338 | 14 | US-10-074-095-952 | Sequence 952, App |
| C 686 | 42 | 884 | 13 | US-10-027-632-137381 | Sequence 137381, | C 759 | 42 | 7739 | 10 | US-09-764-871-3189 | Sequence 3189, App |
| C 687 | 42 | 891 | 13 | US-10-027-632-120360 | Sequence 120360, | C 760 | 42 | 8835 | 11 | US-09-764-891-5594 | Sequence 5494, App |
| C 688 | 42 | 891 | 13 | US-10-027-632-120361 | Sequence 120361, | C 761 | 42 | 9914 | 10 | US-09-764-884-1558 | Sequence 1558, App |
| C 689 | 42 | 891 | 13 | US-10-027-632-120362 | Sequence 120362, | C 762 | 42 | 9914 | 14 | US-10-092-154-1558 | Sequence 1558, App |
| C 690 | 42 | 943 | 13 | US-10-027-632-34185 | Sequence 34185, A | C 763 | 42 | 9973 | 10 | US-09-764-877-2351 | Sequence 2351, App |
| C 691 | 42 | 957 | 11 | US-09-822-846-496 | Sequence 496, App | C 764 | 42 | 10024 | 10 | US-09-880-107-2430 | Sequence 2430, App |
| C 692 | 42 | 970 | 13 | US-10-027-632-325084 | Sequence 325084, | C 765 | 42 | 10780 | 10 | US-09-764-871-9421 | Sequence 9421, App |
| C 693 | 42 | 970 | 13 | US-10-027-632-325104 | Sequence 325104, | C 766 | 42 | 11076 | 11 | US-09-764-891-9421 | Sequence 9421, App |
| C 694 | 42 | 970 | 13 | US-10-027-632-325133 | Sequence 325133, | C 767 | 42 | 11076 | 11 | US-09-764-891-9421 | Sequence 9421, App |
| C 695 | 42 | 970 | 13 | US-10-027-632-325137 | Sequence 325137, | C 768 | 42 | 11553 | 10 | US-09-764-877-2951 | Sequence 2951, App |
| C 696 | 42 | 1185 | 13 | US-10-027-632-124017 | Sequence 124017, | C 769 | 42 | 11553 | 10 | US-09-764-877-2951 | Sequence 2951, App |
| C 697 | 42 | 1185 | 13 | US-10-027-632-124018 | Sequence 124018, | C 770 | 42 | 11553 | 14 | US-10-092-154-1155 | Sequence 1155, App |
| C 698 | 42 | 1185 | 13 | US-10-027-632-124019 | Sequence 124019, | C 771 | 42 | 12274 | 12 | US-09-764-861-65 | Sequence 65, Appl |
| C 699 | 42 | 1190 | 13 | US-10-027-632-101274 | Sequence 101274, | C 772 | 42 | 12274 | 14 | US-10-115-928-65 | Sequence 65, Appl |
| C 700 | 42 | 1191 | 13 | US-10-027-632-204582 | Sequence 204582, | C 773 | 42 | 12712 | 10 | US-09-764-866-1425 | Sequence 1425, App |
| C 701 | 42 | 1205 | 13 | US-10-027-632-253529 | Sequence 253529, | C 774 | 42 | 13046 | 9 | US-09-764-870-595 | Sequence 595, App |
| C 702 | 42 | 1222 | 13 | US-10-027-632-250350 | Sequence 250350, | C 775 | 42 | 13046 | 11 | US-09-764-891-5538 | Sequence 5538, App |
| C 703 | 42 | 1232 | 13 | US-10-027-632-250351 | Sequence 250351, | C 776 | 42 | 13046 | 11 | US-10-125-540-595 | Sequence 595, App |
| C 704 | 42 | 1232 | 13 | US-10-027-632-250352 | Sequence 250352, | C 777 | 42 | 14426 | 10 | US-09-860-670-249 | Sequence 249, App |
| C 705 | 42 | 1447 | 10 | US-09-764-864-1177 | Sequence 1177, App | C 778 | 42 | 14426 | 10 | US-09-764-866-1504 | Sequence 1504, App |
| C 706 | 42 | 1459 | 9 | US-09-796-858-113 | Sequence 113, Appl | C 779 | 42 | 14918 | 10 | US-09-764-864-1766 | Sequence 1766, App |
| C 707 | 42 | 1562 | 13 | US-10-027-632-261878 | Sequence 261878, | C 780 | 42 | 15275 | 9 | US-09-764-869-1475 | Sequence 1475, App |
| C 708 | 42 | 1812 | 13 | US-10-027-632-100264 | Sequence 100264, | C 781 | 42 | 15275 | 14 | US-10-091-504-1475 | Sequence 1475, App |
| C 709 | 42 | 1815 | 13 | US-10-027-632-97502 | Sequence 97502, A | C 782 | 42 | 16236 | 12 | US-10-311-453-996 | Sequence 996, App |
| C 710 | 42 | 1815 | 13 | US-10-027-632-97503 | Sequence 97503, A | C 783 | 42 | 16489 | 10 | US-09-764-866-1483 | Sequence 1483, App |
| C 711 | 42 | 1815 | 13 | US-10-027-632-99377 | Sequence 99377, A | C 784 | 42 | 16552 | 10 | US-09-764-885-331 | Sequence 331, App |
| C 712 | 42 | 1835 | 13 | US-10-027-632-255911 | Sequence 255911, | C 785 | 42 | 16552 | 10 | US-09-764-885-332 | Sequence 332, App |
| C 713 | 42 | 1910 | 13 | US-10-027-632-97833 | Sequence 97833, A | C 786 | 42 | 16552 | 14 | US-10-072-344-331 | Sequence 331, App |
| C 714 | 42 | 1910 | 13 | US-10-027-632-97834 | Sequence 97834, A | C 787 | 42 | 16552 | 14 | US-10-072-344-332 | Sequence 332, App |
| C 715 | 42 | 2051 | 12 | US-09-814-353-11956 | Sequence 11956, A | C 788 | 42 | 16877 | 10 | US-09-764-877-3349 | Sequence 3349, App |
| C 716 | 42 | 2088 | 13 | US-10-027-632-98072 | Sequence 98072, A | C 789 | 42 | 17491 | 12 | US-10-017-161-1955 | Sequence 1955, App |
| C 717 | 42 | 2263 | 13 | US-10-027-632-266262 | Sequence 266262, | C 790 | 42 | 17538 | 9 | US-09-893-348-9 | Sequence 9, Appl1 |
| C 718 | 42 | 2263 | 13 | US-10-027-632-266263 | Sequence 266263, | C 791 | 42 | 17538 | 11 | US-09-218-277-9 | Sequence 9, Appl1 |
| C 719 | 42 | 2278 | 10 | US-09-822-8304-38 | Sequence 38, Appl | C 792 | 42 | 20444 | 11 | US-09-764-891-9422 | Sequence 9422, App |
| C 720 | 42 | 2319 | 12 | US-10-205-219-33 | Sequence 33, Appl | C 793 | 42 | 20444 | 11 | US-09-764-891-9422 | Sequence 9422, App |
| C 721 | 42 | 2320 | 13 | US-10-027-632-101636 | Sequence 101636, | C 794 | 42 | 21311 | 11 | US-09-764-891-9418 | Sequence 9418, App |
| C 722 | 42 | 2355 | 11 | US-09-764-891-9389 | Sequence 9389, App | C 795 | 42 | 21441 | 11 | US-09-764-891-9419 | Sequence 9419, App |
| C 723 | 42 | 2355 | 14 | US-10-205-428-835 | Sequence 835, App | C 796 | 42 | 22359 | 12 | US-10-017-161-1909 | Sequence 1909, App |
| C 724 | 42 | 2487 | 14 | US-10-082-830-67 | Sequence 67, Appl | C 797 | 42 | 22359 | 10 | US-09-764-877-2455 | Sequence 2455, App |
| C 725 | 42 | 2907 | 10 | US-09-954-456-823 | Sequence 318, App | C 798 | 42 | 25309 | 12 | US-10-365-564-3 | Sequence 3, Appl1 |
| C 726 | 42 | 2907 | 10 | US-09-954-456-823 | Sequence 823, App | C 799 | 42 | 25309 | 12 | US-10-291-737-3 | Sequence 3, Appl1 |
| C 727 | 42 | 2907 | 10 | US-09-954-456-1266 | Sequence 1266, App | C 800 | 42 | 26333 | 14 | US-10-017-161-1553 | Sequence 1653, App |
| C 728 | 42 | 2907 | 10 | US-09-880-107-2318 | Sequence 2318, App | C 801 | 42 | 26657 | 9 | US-09-810-6734-3 | Sequence 3, Appl1 |
| C 729 | 42 | 2968 | 13 | US-10-027-632-114016 | Sequence 114016, | C 802 | 42 | 26657 | 12 | US-10-395-243-3 | Sequence 3, Appl1 |
| C 730 | 42 | 2968 | 13 | US-10-027-632-114017 | Sequence 114017, | C 803 | 42 | 26928 | 10 | US-09-880-107-2278 | Sequence 2278, App |
| C 731 | 42 | 2968 | 13 | US-10-027-632-114018 | Sequence 114018, | C 804 | 42 | 26928 | 14 | US-10-020-141-7 | Sequence 7, Appl1 |
| C 732 | 42 | 3096 | 13 | US-10-027-632-112161 | Sequence 112161, | C 805 | 42 | 26928 | 14 | US-10-017-631-1 | Sequence 1, Appl1 |
| C 733 | 42 | 3096 | 13 | US-10-027-632-112162 | Sequence 112162, | C 806 | 42 | 28630 | 14 | US-10-010-802-1 | Sequence 1, Appl1 |
| C 734 | 42 | 3096 | 13 | US-10-027-632-111958 | Sequence 111958, | C 807 | 42 | 30573 | 11 | US-09-764-891-6669 | Sequence 6869, App |
| C 735 | 42 | 3096 | 13 | US-10-027-632-111959 | Sequence 111959, | C 808 | 42 | 30781 | 14 | US-10-092-908-37 | Sequence 37, Appl |
| C 736 | 42 | 3139 | 13 | US-10-027-632-115955 | Sequence 115955, | C 809 | 42 | 32181 | 11 | US-09-764-891-6906 | Sequence 6906, App |
| C 737 | 42 | 3193 | 13 | US-10-027-632-112481 | Sequence 112481, | C 810 | 42 | 32152 | 10 | US-09-764-885-338 | Sequence 328, App |
| C 738 | 42 | 3370 | 9 | US-09-764-869-1976 | Sequence 1976, App | C 811 | 42 | 32152 | 11 | US-09-764-872-518 | Sequence 518, App |
| C 739 | 42 | 3370 | 9 | US-09-764-869-1977 | Sequence 1977, App | C 812 | 42 | 32152 | 14 | US-10-072-344-338 | Sequence 328, App |
| C 740 | 42 | 3370 | 14 | US-10-091-504-1976 | Sequence 1976, App | C 813 | 42 | 32184 | 11 | US-09-764-881-8538 | Sequence 8538, App |
| C 741 | 42 | 3370 | 14 | US-10-091-504-1977 | Sequence 1977, App | C 814 | 42 | 32195 | 10 | US-09-764-886-1508 | Sequence 1508, App |
| C 742 | 42 | 3441 | 9 | US-10-118-783-17 | Sequence 17, Appl | C 815 | 42 | 32195 | 11 | US-09-764-884-1512 | Sequence 1512, App |
| C 743 | 42 | 3441 | 9 | US-09-811-285-1 | Sequence 1, Appl | C 816 | 42 | 32195 | 11 | US-09-764-891-6868 | Sequence 6868, App |
| C 744 | 42 | 3451 | 10 | US-09-954-456-214 | Sequence 214, App | C 817 | 42 | 32195 | 14 | US-10-092-154-1512 | Sequence 1512, App |
| C 745 | 42 | 3451 | 10 | US-09-954-456-1598 | Sequence 1598, App | C 818 | 42 | 32195 | 14 | US-10-102-627-92 | Sequence 92, Appl |
| C 746 | 42 | 3451 | 10 | US-09-990-596-2 | Sequence 2, Appl1 | C 819 | 42 | 32204 | 10 | US-09-764-885-357 | Sequence 327, App |

| | | | | | | | | | | | | | |
|-------|----|-----|--------|----|----------------------|----------------------|-------|----|-----|-----|----|----------------------|----------------------|
| 820 | 42 | 4.2 | 32204 | 11 | US-09-764-872-517 | Sequence 517, App | C 893 | 41 | 4.1 | 518 | 13 | US-10-027-632-5337 | Sequence 5337, App |
| C 821 | 42 | 4.2 | 32204 | 11 | US-09-764-891-8537 | Sequence 8537, App | C 894 | 41 | 4.1 | 518 | 13 | US-10-027-632-5338 | Sequence 5338, App |
| C 822 | 42 | 4.2 | 32204 | 14 | US-10-072-349-327 | Sequence 327, App | C 895 | 41 | 4.1 | 518 | 13 | US-10-027-632-290374 | Sequence 290374, App |
| C 823 | 42 | 4.2 | 32249 | 11 | US-09-764-891-5759 | Sequence 5759, App | C 896 | 41 | 4.1 | 521 | 13 | US-10-027-632-138219 | Sequence 138219, App |
| C 824 | 42 | 4.2 | 36400 | 12 | US-10-225-810-10 | Sequence 10, App | C 897 | 41 | 4.1 | 521 | 13 | US-10-027-632-260642 | Sequence 260642, App |
| C 825 | 42 | 4.2 | 54000 | 12 | US-09-843-377-11 | Sequence 11, App | C 898 | 41 | 4.1 | 525 | 12 | US-09-814-353-13387 | Sequence 13387, App |
| C 826 | 42 | 4.2 | 58985 | 9 | US-09-901-152-3 | Sequence 3, App | C 899 | 41 | 4.1 | 528 | 13 | US-10-027-632-274345 | Sequence 274345, App |
| C 827 | 42 | 4.2 | 65608 | 11 | US-09-962-436-292 | Sequence 292, App | C 900 | 41 | 4.1 | 533 | 13 | US-10-027-632-180042 | Sequence 180042, App |
| C 828 | 42 | 4.2 | 65608 | 10 | US-09-962-833-119 | Sequence 119, App | C 901 | 41 | 4.1 | 533 | 13 | US-10-027-632-191374 | Sequence 191374, App |
| C 829 | 42 | 4.2 | 65608 | 10 | US-09-954-531-180 | Sequence 180, App | C 902 | 41 | 4.1 | 539 | 13 | US-10-027-632-21401 | Sequence 21401, App |
| C 830 | 42 | 4.2 | 88191 | 9 | US-09-799-799-3 | Sequence 3, App | C 903 | 41 | 4.1 | 545 | 13 | US-10-027-632-26505 | Sequence 26505, App |
| C 831 | 42 | 4.2 | 90541 | 12 | US-09-759-359A-3 | Sequence 3, App | C 904 | 41 | 4.1 | 546 | 13 | US-10-027-632-311010 | Sequence 311010, App |
| C 832 | 42 | 4.2 | 90541 | 12 | US-10-207-973-3 | Sequence 3, App | C 905 | 41 | 4.1 | 550 | 13 | US-10-027-632-104338 | Sequence 104338, App |
| C 833 | 42 | 4.2 | 110096 | 10 | US-09-880-107-1542 | Sequence 1542, App | C 906 | 41 | 4.1 | 550 | 13 | US-10-027-632-142863 | Sequence 142863, App |
| C 834 | 42 | 4.2 | 113000 | 12 | US-10-376-566-16 | Sequence 16, App | C 907 | 41 | 4.1 | 550 | 13 | US-10-027-632-12865 | Sequence 12865, App |
| C 835 | 42 | 4.2 | 113604 | 14 | US-10-227-195A-1 | Sequence 1, App | C 908 | 41 | 4.1 | 550 | 13 | US-10-027-632-325462 | Sequence 325462, App |
| C 836 | 42 | 4.2 | 113604 | 14 | US-10-227-195A-2 | Sequence 2, App | C 909 | 41 | 4.1 | 559 | 13 | US-10-027-632-182568 | Sequence 182568, App |
| C 837 | 42 | 4.2 | 139257 | 11 | US-09-920-671-11 | Sequence 11, App | C 910 | 41 | 4.1 | 559 | 13 | US-10-027-632-212360 | Sequence 212360, App |
| C 838 | 42 | 4.2 | 143601 | 12 | US-09-855-824-3 | Sequence 3, App | C 911 | 41 | 4.1 | 568 | 13 | US-10-027-632-69997 | Sequence 69997, App |
| C 839 | 42 | 4.2 | 162450 | 12 | US-10-126-704-1 | Sequence 1, App | C 912 | 41 | 4.1 | 572 | 13 | US-10-027-632-312040 | Sequence 312040, App |
| C 840 | 42 | 4.2 | 162450 | 12 | US-10-071-179-1 | Sequence 1, App | C 913 | 41 | 4.1 | 572 | 13 | US-10-027-632-209013 | Sequence 209013, App |
| C 841 | 42 | 4.2 | 180216 | 9 | US-09-835-232-6 | Sequence 6, App | C 914 | 41 | 4.1 | 573 | 13 | US-10-027-632-65915 | Sequence 65915, App |
| C 842 | 42 | 4.2 | 180216 | 12 | US-10-308-485-6 | Sequence 6, App | C 915 | 41 | 4.1 | 573 | 13 | US-10-027-632-286787 | Sequence 286787, App |
| C 843 | 42 | 4.2 | 186957 | 14 | US-10-185-770-3 | Sequence 3, App | C 916 | 41 | 4.1 | 574 | 13 | US-10-027-632-215915 | Sequence 215915, App |
| C 844 | 42 | 4.2 | 193303 | 15 | US-10-081-327-37 | Sequence 37, App | C 917 | 41 | 4.1 | 577 | 13 | US-10-027-632-254770 | Sequence 254770, App |
| C 845 | 42 | 4.2 | 193303 | 15 | US-10-081-327-44 | Sequence 44, App | C 918 | 41 | 4.1 | 579 | 13 | US-10-027-632-205404 | Sequence 205404, App |
| C 846 | 42 | 4.2 | 250000 | 12 | US-10-225-810-26 | Sequence 26, App | C 919 | 41 | 4.1 | 583 | 13 | US-10-027-632-67825 | Sequence 67825, App |
| C 847 | 42 | 4.2 | 251364 | 14 | US-10-175-523-58 | Sequence 58, App | C 920 | 41 | 4.1 | 583 | 13 | US-10-027-632-67826 | Sequence 67826, App |
| C 848 | 42 | 4.2 | 251364 | 14 | US-10-175-523-61 | Sequence 61, App | C 921 | 41 | 4.1 | 583 | 13 | US-10-027-632-67827 | Sequence 67827, App |
| C 849 | 42 | 4.2 | 251364 | 14 | US-10-175-523-79 | Sequence 79, App | C 922 | 41 | 4.1 | 585 | 13 | US-10-027-632-126394 | Sequence 126394, App |
| C 850 | 42 | 4.2 | 268685 | 12 | US-10-025-966A-22 | Sequence 22, App | C 923 | 41 | 4.1 | 588 | 13 | US-10-027-632-205416 | Sequence 205416, App |
| C 851 | 42 | 4.2 | 268685 | 12 | US-10-265-071-22 | Sequence 22, App | C 924 | 41 | 4.1 | 590 | 13 | US-10-027-632-29689 | Sequence 29689, App |
| C 852 | 42 | 4.2 | 368004 | 12 | US-09-949-654-3 | Sequence 3, App | C 925 | 41 | 4.1 | 590 | 13 | US-10-027-632-93928 | Sequence 93928, App |
| C 853 | 42 | 4.2 | 392000 | 10 | US-10-027-983-11 | Sequence 11, App | C 926 | 41 | 4.1 | 590 | 13 | US-10-027-632-99329 | Sequence 99329, App |
| C 854 | 42 | 4.2 | 465237 | 10 | US-09-933-267A-1 | Sequence 1, App | C 927 | 41 | 4.1 | 591 | 13 | US-10-027-632-224910 | Sequence 224910, App |
| C 855 | 41 | 4.1 | 120 | 9 | US-09-764-869-1637 | Sequence 1637, App | C 928 | 41 | 4.1 | 591 | 13 | US-10-027-632-234911 | Sequence 234911, App |
| C 856 | 41 | 4.1 | 120 | 14 | US-10-091-504-1637 | Sequence 1637, App | C 929 | 41 | 4.1 | 591 | 13 | US-10-027-632-234912 | Sequence 234912, App |
| C 857 | 41 | 4.1 | 158 | 11 | US-09-764-872-828 | Sequence 828, App | C 930 | 41 | 4.1 | 594 | 13 | US-10-027-632-41210 | Sequence 41210, App |
| C 858 | 41 | 4.1 | 303 | 11 | US-09-867-701-9373 | Sequence 9373, App | C 931 | 41 | 4.1 | 594 | 13 | US-10-027-632-41211 | Sequence 41211, App |
| C 859 | 41 | 4.1 | 303 | 11 | US-09-803-719-330 | Sequence 330, App | C 932 | 41 | 4.1 | 594 | 13 | US-10-027-632-48019 | Sequence 48019, App |
| C 860 | 41 | 4.1 | 342 | 10 | US-09-764-877-3394 | Sequence 3394, App | C 933 | 41 | 4.1 | 594 | 13 | US-10-027-632-48020 | Sequence 48020, App |
| C 861 | 41 | 4.1 | 364 | 13 | US-10-027-633-78722 | Sequence 78722, App | C 934 | 41 | 4.1 | 594 | 13 | US-10-027-632-48021 | Sequence 48021, App |
| C 862 | 41 | 4.1 | 364 | 13 | US-10-027-633-314600 | Sequence 314600, App | C 935 | 41 | 4.1 | 594 | 13 | US-10-027-632-73529 | Sequence 73529, App |
| C 863 | 41 | 4.1 | 368 | 10 | US-09-728-444-401 | Sequence 401, App | C 936 | 41 | 4.1 | 594 | 13 | US-10-027-632-73530 | Sequence 73530, App |
| C 864 | 41 | 4.1 | 369 | 11 | US-09-918-995-18579 | Sequence 18579, App | C 937 | 41 | 4.1 | 594 | 13 | US-10-027-632-73531 | Sequence 73531, App |
| C 865 | 41 | 4.1 | 387 | 13 | US-10-027-632-25074 | Sequence 25074, App | C 938 | 41 | 4.1 | 594 | 13 | US-10-027-632-73532 | Sequence 73532, App |
| C 866 | 41 | 4.1 | 387 | 13 | US-10-027-632-25075 | Sequence 25075, App | C 939 | 41 | 4.1 | 594 | 13 | US-10-027-632-75061 | Sequence 75061, App |
| C 867 | 41 | 4.1 | 395 | 11 | US-09-867-701-10040 | Sequence 10040, App | C 940 | 41 | 4.1 | 594 | 13 | US-10-027-632-75062 | Sequence 75062, App |
| C 868 | 41 | 4.1 | 408 | 11 | US-09-918-995-7926 | Sequence 7926, App | C 941 | 41 | 4.1 | 597 | 13 | US-10-027-632-54990 | Sequence 54990, App |
| C 869 | 41 | 4.1 | 408 | 11 | US-10-027-633-275831 | Sequence 275831, App | C 942 | 41 | 4.1 | 597 | 13 | US-10-027-632-300309 | Sequence 300309, App |
| C 870 | 41 | 4.1 | 417 | 10 | US-09-867-701-6779 | Sequence 6779, App | C 943 | 41 | 4.1 | 598 | 13 | US-10-027-632-188021 | Sequence 188021, App |
| C 871 | 41 | 4.1 | 417 | 10 | US-09-918-995-36619 | Sequence 36619, App | C 944 | 41 | 4.1 | 598 | 13 | US-10-027-632-188059 | Sequence 188059, App |
| C 872 | 41 | 4.1 | 423 | 11 | US-09-918-995-25851 | Sequence 25851, App | C 945 | 41 | 4.1 | 598 | 13 | US-10-027-632-270000 | Sequence 270000, App |
| C 873 | 41 | 4.1 | 460 | 11 | US-09-918-995-25851 | Sequence 25851, App | C 946 | 41 | 4.1 | 598 | 13 | US-10-027-632-48294 | Sequence 48294, App |
| C 874 | 41 | 4.1 | 465 | 10 | US-09-867-701-8313 | Sequence 8313, App | C 947 | 41 | 4.1 | 601 | 13 | US-10-027-632-48295 | Sequence 48295, App |
| C 875 | 41 | 4.1 | 469 | 11 | US-09-918-995-9373 | Sequence 9373, App | C 948 | 41 | 4.1 | 601 | 13 | US-10-027-632-289579 | Sequence 289579, App |
| C 876 | 41 | 4.1 | 475 | 11 | US-09-918-995-16119 | Sequence 16119, App | C 949 | 41 | 4.1 | 605 | 13 | US-10-027-632-282836 | Sequence 282836, App |
| C 877 | 41 | 4.1 | 477 | 11 | US-09-918-995-142679 | Sequence 142679, App | C 950 | 41 | 4.1 | 610 | 13 | US-10-027-632-212856 | Sequence 212856, App |
| C 878 | 41 | 4.1 | 478 | 13 | US-10-027-632-278679 | Sequence 278679, App | C 951 | 41 | 4.1 | 611 | 13 | US-10-027-632-220966 | Sequence 220966, App |
| C 879 | 41 | 4.1 | 480 | 11 | US-09-918-995-22467 | Sequence 22467, App | C 952 | 41 | 4.1 | 613 | 13 | US-10-027-632-74729 | Sequence 74729, App |
| C 880 | 41 | 4.1 | 482 | 11 | US-09-764-891-8930 | Sequence 8930, App | C 953 | 41 | 4.1 | 613 | 13 | US-10-027-632-74730 | Sequence 74730, App |
| C 881 | 41 | 4.1 | 492 | 11 | US-09-918-995-27445 | Sequence 27445, App | C 954 | 41 | 4.1 | 613 | 13 | US-10-027-632-289579 | Sequence 289579, App |
| C 882 | 41 | 4.1 | 495 | 13 | US-10-027-633-136434 | Sequence 136434, App | C 955 | 41 | 4.1 | 613 | 13 | US-10-027-632-289580 | Sequence 289580, App |
| C 883 | 41 | 4.1 | 504 | 12 | US-09-814-353-16053 | Sequence 16053, App | C 956 | 41 | 4.1 | 615 | 13 | US-10-027-632-231643 | Sequence 231643, App |
| C 884 | 41 | 4.1 | 505 | 12 | US-09-814-353-625 | Sequence 625, App | C 957 | 41 | 4.1 | 616 | 13 | US-10-027-632-267 | Sequence 267, App |
| C 885 | 41 | 4.1 | 505 | 12 | US-09-814-353-7002 | Sequence 7002, App | C 958 | 41 | 4.1 | 616 | 13 | US-10-027-632-208572 | Sequence 208572, App |
| C 886 | 41 | 4.1 | 507 | 13 | US-10-027-632-229469 | Sequence 229469, App | C 959 | 41 | 4.1 | 617 | 13 | US-10-027-632-259078 | Sequence 259078, App |
| C 887 | 41 | 4.1 | 507 | 13 | US-10-027-632-229469 | Sequence 229469, App | C 960 | 41 | 4.1 | 619 | 13 | US-10-027-632-66192 | Sequence 66192, App |
| C 888 | 41 | 4.1 | 512 | 13 | US-10-027-633-277431 | Sequence 277431, App | C 961 | 41 | 4.1 | 621 | 13 | US-10-027-632-180804 | Sequence 180804, App |
| C 889 | 41 | 4.1 | 514 | 13 | US-10-027-633-147457 | Sequence 147457, App | C 962 | 41 | 4.1 | 621 | 13 | US-10-027-632-184658 | Sequence 184658, App |
| C 890 | 41 | 4.1 | 516 | 13 | US-10-027-632-289481 | Sequence 289481, App | C 963 | 41 | 4.1 | 621 | 13 | US-10-027-632-279656 | Sequence 279656, App |
| C 891 | 41 | 4.1 | 517 | 13 | US-10-027-632-57544 | Sequence 57544, App | C 964 | 41 | 4.1 | 621 | 13 | US-10-027-632-279659 | Sequence 279659, App |
| C 892 | 41 | 4.1 | 517 | 13 | US-10-027-632-57545 | Sequence 57545, App | C 965 | 41 | 4.1 | 626 | 13 | US-10-027-632-54516 | Sequence 54516, App |


```

; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 278501
; LENGTH: 431
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-278501

Query Match
5.2%; Score 52; DB 13; Length 431;
Best Local Similarity 100.0%; Pred. No. 3.7e-16;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 336 TCTCTACTAAATAACAAATAATGACGAGTGTCGTGGCACACGCGCTGTAGT 387
Db 376 TCTCTACTAAATAACAAATAATGACGAGTGTCGTGGCACACGCGCTGTAGT 325
```

```

RESULT 6
US-10-027-632-266549/c
; Sequence 266549, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 266549
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-266549
```

```

Query Match
5.2%; Score 52; DB 13; Length 432;
Best Local Similarity 100.0%; Pred. No. 3.7e-16;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 336 TCTCTACTAAATAACAAATAATGACGAGTGTCGTGGCACACGCGCTGTAGT 387
Db 376 TCTCTACTAAATAACAAATAATGACGAGTGTCGTGGCACACGCGCTGTAGT 325
```

```

RESULT 7
US-10-027-632-127789/c
; Sequence 127789, Application US/10027632
; GENERAL INFORMATION:
```

```

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 127789
; LENGTH: 797
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-127789

Query Match
5.2%; Score 52; DB 13; Length 797;
Best Local Similarity 100.0%; Pred. No. 3.8e-16;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 334 CGTCTACTAAATAACAAATAATGACGAGTGTCGTGGCACACGCGCTGTGA 385
Db 231 CGTCTACTAAATAACAAATAATGACGAGTGTCGTGGCACACGCGCTGTGA 180
```

```

RESULT 8
US-09-764-877-3378/c
; Sequence 3378, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION DATA REMOVED - REFER TO PALM OR FILE WRAPPER
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3378
; LENGTH: 2701
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3378
```

```

Query Match
5.2%; Score 52; DB 10; Length 2701;
Best Local Similarity 100.0%; Pred. No. 4e-16;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 509 AAAATTAATAATAATAATAATAATAATAATAATAATAATAATAATAATTC 560
Db 942 AAAATTAATAATAATAATAATAATAATAATAATAATAATAATAATAATTC 891
```

```

RESULT 9
US-09-795-668-1/c
; Sequence 1, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinhorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
```

```

; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1503841
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: r=g or a
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: y=t/u or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: m=a or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: k=g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: b=g or c or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: d=a or g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: h=a or c or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: v=a or g or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: n=a or g or c or t/u
; US-09-795-668-1

Query Match          5.2%; Score 52; DB 9; Length 1503841;
Best Local Similarity 100.0%; Pred. No. 5.3e-16;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 509 AAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTC 560
DB 1366667 AAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTC 1366616

RESULT 10
US-09-795-686-1/c
; Sequence 1, Application US/09795668
; Patent No. US20020094954A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinhorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09/795,686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
```

```

; SEQ ID NO 1
; LENGTH: 1503841
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: r=g or a
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: y=t/u or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: m=a or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: k=g or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: b=g or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: d=a or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: h=a or c or t/u
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: v=a or g or c
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: n=a or g or c or t/u
; US-09-795-686-1

Query Match          5.2%; Score 52; DB 9; Length 1503841;
Best Local Similarity 100.0%; Pred. No. 5.3e-16;
Matches 52; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 509 AAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTC 560
DB 1366667 AAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTC 1366616

RESULT 11
US-09-946-807-1/c
; Sequence 1, Application US/09946807
; Patent No. US20020165144A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinhorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/946,807
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US/09/795,668
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1503841
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
```

```

; LOCATION: (1)...(1531)
; OTHER INFORMATION: r=g or a
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: y=c/u or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: m=a or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: k=g or t/u
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: b=g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: w=a or t/u
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: b=g or c or t/u
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: d=a or g or t/u
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: h=a or c or t/u
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: v=a or g or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(1531)
; OTHER INFORMATION: n=a or g or c or t/u
US-09-946-807-1

Query Match
Best Local Similarity 100.0%; Score 52; DB 10; Length 1503841;
Pred. No. 5.3e-16; Mismatches 0; Indels 0; Gaps 0;
Matches 52; Conservative 0;

Qy 509 AAAATATAATATAATATAATATAATATAATATAATATAATATAATTC 560
Db 1366667 AAAATATAATATAATATAATATAATATAATATAATATAATATAATTC 1366616

RESULT 12
US-10-027-632-131328/c
; Sequence 131328, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
```

```

; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 131328
; LENGTH: 739
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-131328

Query Match
Best Local Similarity 100.0%; Score 51; DB 13; Length 739;
Pred. No. 1.2e-15; Mismatches 0; Indels 0; Gaps 0;
Matches 51; Conservative 0;

Qy 335 GTCCTACTATAAAATACAAATTTAGCCAGGTGTGTGGACACGCGCTGTA 385
Db 645 GTCCTACTATAAAATACAAATTTAGCCAGGTGTGTGGACACGCGCTGTA 595

RESULT 13
US-10-027-632-131329
; Sequence 131329, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 131329
; LENGTH: 761
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-131329

Query Match
Best Local Similarity 100.0%; Score 51; DB 13; Length 761;
Pred. No. 1.2e-15; Mismatches 0; Indels 0; Gaps 0;
Matches 51; Conservative 0;

Qy 335 GTCCTACTATAAAATACAAATTTAGCCAGGTGTGTGGACACGCGCTGTA 385
Db 390 GTCCTACTATAAAATACAAATTTAGCCAGGTGTGTGGACACGCGCTGTA 440

RESULT 14
US-10-027-632-131330
; Sequence 131330, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
```

```
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 131330
/ LENGTH: 761
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-131330
```

```
Query Match          5.1%: Score 51; DB 13; Length 761;
Best Local Similarity 100.0%; Pred. No. 1.2e-15;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      335 GTCTCTACTAAATACAAAATTAGCGAGTGTGTGCGACACGCTGTA 385
Db      390 GTCTCTACTAAATACAAAATTAGCGAGTGTGTGCGACACGCTGTA 440
```

```
RESULT 15
US-10-027-632-149274
/ Sequence 149274, Application US/10027632
/ GENERAL INFORMATION:
/ APPLICANT: Wang, David G.
/ TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
/ FILE REFERENCE: 108827.129
/ CURRENT APPLICATION NUMBER: US/10/027,632
/ CURRENT FILING DATE: 2002-04-30
/ PRIOR APPLICATION NUMBER: US 60/218,006
/ PRIOR FILING DATE: 2000-07-12
/ PRIOR APPLICATION NUMBER: US 60/198,676
/ PRIOR FILING DATE: 2000-04-20
/ PRIOR APPLICATION NUMBER: US 60/193,483
/ PRIOR FILING DATE: 2000-03-29
/ PRIOR APPLICATION NUMBER: US 60/185,218
/ PRIOR FILING DATE: 2000-02-24
/ PRIOR APPLICATION NUMBER: US 60/167,363
/ PRIOR FILING DATE: 1999-11-23
/ PRIOR APPLICATION NUMBER: US 60/156,358
/ PRIOR FILING DATE: 1999-09-28
/ PRIOR APPLICATION NUMBER: US 60/146,002
/ PRIOR FILING DATE: 1999-08-09
/ NUMBER OF SEQ ID NOS: 325720
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 149274
/ LENGTH: 761
/ TYPE: DNA
/ ORGANISM: Human
US-10-027-632-149274
```

```
Query Match          5.1%: Score 51; DB 13; Length 761;
Best Local Similarity 100.0%; Pred. No. 1.2e-15;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      335 GTCTCTACTAAATACAAAATTAGCGAGTGTGTGCGACACGCTGTA 385
Db      390 GTCTCTACTAAATACAAAATTAGCGAGTGTGTGCGACACGCTGTA 440
```

Search completed: October 9, 2003, 17:53:41
Job time : 369.524 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 9, 2003, 15:06:32 ; Search time 2.47619 Seconds
(without alignments)
4456.272 Million cell updates/sec

Title: US-09-784-423-124

Perfect score: 25
Sequence: 1 GGTTGCGATGAGCCGAGATTAAGACT 25

Scoring table: OLIGO_NTC
Gapop 60.0 , Gapext 60.0

Searched: 569978 seqs, 220691566 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :

Issued Patents NA: *
1: /cgn2_6/ptodaca/2/ina/5A.COMB.seq: *
2: /cgn2_6/ptodaca/2/ina/5B.COMB.seq: *
3: /cgn2_6/ptodaca/2/ina/6A.COMB.seq: *
4: /cgn2_6/ptodaca/2/ina/6B.COMB.seq: *
5: /cgn2_6/ptodaca/2/ina/PCTUS.COMB.seq: *
6: /cgn2_6/ptodaca/2/ina/backfile1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|--------------------|-------------------|
| 1 | 25 | 100.0 | 25 | US-09-018-584A-124 | Sequence 124, App |
| 2 | 25 | 100.0 | 1000 | US-09-018-584A-32 | Sequence 57, App |
| 3 | 20 | 80.0 | 764 | US-09-288-143-57 | Sequence 3, App |
| 4 | 20 | 80.0 | 1875 | US-08-683-743-3 | Sequence 17, App |
| 5 | 20 | 80.0 | 4042 | US-08-406-030A-17 | Sequence 12, App |
| 6 | 20 | 80.0 | 4129 | US-08-370-119C-12 | Sequence 5, App |
| 7 | 20 | 80.0 | 4129 | US-09-224-834-12 | Sequence 12, App |
| 8 | 20 | 80.0 | 45716 | US-08-965-048-5 | Sequence 6, App |
| 9 | 20 | 80.0 | 45989 | US-08-965-048-6 | Sequence 6, App |
| 10 | 19 | 76.0 | 21 | US-08-133-629-2 | Sequence 93, App |
| 11 | 19 | 76.0 | 239 | US-08-687-080-93 | Sequence 1, App |
| 12 | 19 | 76.0 | 265 | US-08-849-701-1 | Sequence 26, App |
| 13 | 19 | 76.0 | 283 | US-08-579-445-26 | Sequence 61, App |
| 14 | 19 | 76.0 | 294 | US-08-481-6588-61 | Sequence 61, App |
| 15 | 19 | 76.0 | 294 | US-08-477-504A-61 | Sequence 61, App |
| 16 | 19 | 76.0 | 294 | US-08-486-756A-61 | Sequence 61, App |
| 17 | 19 | 76.0 | 294 | US-08-485-862B-61 | Sequence 61, App |
| 18 | 19 | 76.0 | 294 | US-08-485-862B-61 | Sequence 61, App |
| 19 | 19 | 76.0 | 294 | US-08-787-739-61 | Sequence 61, App |
| 20 | 19 | 76.0 | 294 | US-08-487-077A-61 | Sequence 61, App |
| 21 | 19 | 76.0 | 294 | US-08-485-863A-61 | Sequence 61, App |
| 22 | 19 | 76.0 | 294 | US-08-485-049D-61 | Sequence 61, App |
| 23 | 19 | 76.0 | 294 | US-09-178-115-61 | Sequence 61, App |
| 24 | 19 | 76.0 | 302 | US-09-177-776-61 | Sequence 61, App |
| 25 | 19 | 76.0 | 308 | US-08-849-701-3 | Sequence 111, App |
| 26 | 19 | 76.0 | 308 | US-09-702-705-1111 | Sequence 111, App |
| 27 | 19 | 76.0 | 308 | US-09-736-457-1111 | Sequence 111, App |
| 28 | 19 | 76.0 | 336 | US-09-385-982-17 | Sequence 17, App |

| | | | | | | |
|-------|----|------|------|---|--------------------|--------------------|
| C 28 | 19 | 76.0 | 363 | 4 | US-09-702-705-878 | Sequence 878, App |
| C 29 | 19 | 76.0 | 363 | 4 | US-09-736-457-878 | Sequence 878, App |
| C 30 | 19 | 76.0 | 364 | 4 | US-09-702-705-867 | Sequence 867, App |
| C 31 | 19 | 76.0 | 364 | 4 | US-09-736-457-867 | Sequence 867, App |
| C 32 | 19 | 76.0 | 367 | 4 | US-09-702-705-1143 | Sequence 1143, App |
| C 33 | 19 | 76.0 | 367 | 4 | US-09-702-705-1626 | Sequence 1626, App |
| C 34 | 19 | 76.0 | 367 | 4 | US-09-736-457-1143 | Sequence 1143, App |
| C 35 | 19 | 76.0 | 367 | 4 | US-09-736-457-1626 | Sequence 1626, App |
| C 36 | 19 | 76.0 | 368 | 4 | US-09-702-705-1003 | Sequence 1003, App |
| C 37 | 19 | 76.0 | 368 | 4 | US-09-702-705-1038 | Sequence 1038, App |
| C 38 | 19 | 76.0 | 368 | 4 | US-09-702-705-1044 | Sequence 1044, App |
| C 39 | 19 | 76.0 | 368 | 4 | US-09-702-705-1092 | Sequence 1092, App |
| C 40 | 19 | 76.0 | 368 | 4 | US-09-702-705-1584 | Sequence 1584, App |
| C 41 | 19 | 76.0 | 368 | 4 | US-09-736-457-1003 | Sequence 1003, App |
| C 42 | 19 | 76.0 | 368 | 4 | US-09-736-457-1038 | Sequence 1038, App |
| C 43 | 19 | 76.0 | 368 | 4 | US-09-736-457-1044 | Sequence 1044, App |
| C 44 | 19 | 76.0 | 368 | 4 | US-09-736-457-1092 | Sequence 1092, App |
| C 45 | 19 | 76.0 | 368 | 4 | US-09-736-457-1584 | Sequence 1584, App |
| C 46 | 19 | 76.0 | 374 | 3 | US-09-385-982-135 | Sequence 135, App |
| C 47 | 19 | 76.0 | 379 | 3 | US-09-157-177-134 | Sequence 134, App |
| C 48 | 19 | 76.0 | 526 | 4 | US-08-579-445-24 | Sequence 24, App |
| C 49 | 19 | 76.0 | 577 | 4 | US-09-327-357-92 | Sequence 92, App |
| C 50 | 19 | 76.0 | 601 | 4 | US-09-820-002-8 | Sequence 8, App |
| C 51 | 19 | 76.0 | 609 | 3 | US-09-385-982-291 | Sequence 291, App |
| C 52 | 19 | 76.0 | 618 | 3 | US-09-385-982-218 | Sequence 218, App |
| C 53 | 19 | 76.0 | 649 | 4 | US-09-535-008-49 | Sequence 49, App |
| C 54 | 19 | 76.0 | 676 | 4 | US-09-495-050A-15 | Sequence 15, App |
| C 55 | 19 | 76.0 | 678 | 4 | US-09-702-705-208 | Sequence 208, App |
| C 56 | 19 | 76.0 | 678 | 4 | US-09-736-457-208 | Sequence 208, App |
| C 57 | 19 | 76.0 | 689 | 4 | US-09-105-542A-14 | Sequence 14, App |
| C 58 | 19 | 76.0 | 696 | 4 | US-09-740-235-16 | Sequence 16, App |
| C 59 | 19 | 76.0 | 775 | 4 | US-09-227-357-108 | Sequence 108, App |
| C 60 | 19 | 76.0 | 779 | 4 | US-08-579-445-23 | Sequence 23, App |
| C 61 | 19 | 76.0 | 799 | 2 | US-08-394-152A-42 | Sequence 42, App |
| C 62 | 19 | 76.0 | 821 | 4 | US-09-342-681C-7 | Sequence 7, App |
| C 63 | 19 | 76.0 | 825 | 2 | US-08-486-148B-1 | Sequence 1, App |
| C 64 | 19 | 76.0 | 841 | 5 | PCT-US93-06251-80 | Sequence 80, App |
| C 65 | 19 | 76.0 | 841 | 5 | PCT-US93-06251-81 | Sequence 81, App |
| C 66 | 19 | 76.0 | 866 | 4 | US-09-257-179-11 | Sequence 11, App |
| C 67 | 19 | 76.0 | 885 | 1 | US-09-388-143-55 | Sequence 55, App |
| C 68 | 19 | 76.0 | 889 | 1 | US-08-632-883-52 | Sequence 52, App |
| C 69 | 19 | 76.0 | 889 | 2 | US-08-832-877-52 | Sequence 52, App |
| C 70 | 19 | 76.0 | 891 | 4 | US-09-247-155-141 | Sequence 141, App |
| C 71 | 19 | 76.0 | 955 | 4 | US-09-620-312D-228 | Sequence 228, App |
| C 72 | 19 | 76.0 | 1000 | 3 | US-09-018-584A-40 | Sequence 40, App |
| C 73 | 19 | 76.0 | 1000 | 4 | US-09-641-638-636 | Sequence 636, App |
| C 74 | 19 | 76.0 | 1000 | 4 | US-09-641-638-637 | Sequence 637, App |
| C 75 | 19 | 76.0 | 1001 | 4 | US-09-641-638-86 | Sequence 86, App |
| C 76 | 19 | 76.0 | 1001 | 4 | US-09-641-638-121 | Sequence 121, App |
| C 77 | 19 | 76.0 | 1001 | 4 | US-09-641-638-284 | Sequence 284, App |
| C 78 | 19 | 76.0 | 1001 | 4 | US-09-671-317-274 | Sequence 274, App |
| C 79 | 19 | 76.0 | 1002 | 4 | US-09-641-638-578 | Sequence 578, App |
| C 80 | 19 | 76.0 | 1017 | 4 | US-09-627-287-38 | Sequence 38, App |
| C 81 | 19 | 76.0 | 1017 | 4 | US-09-252-656B-38 | Sequence 38, App |
| C 82 | 19 | 76.0 | 1040 | 4 | US-09-288-143-12 | Sequence 12, App |
| C 83 | 19 | 76.0 | 1042 | 4 | US-09-844-493-16 | Sequence 16, App |
| C 84 | 19 | 76.0 | 1140 | 3 | US-08-943-737-1209 | Sequence 209, App |
| C 85 | 19 | 76.0 | 1169 | 4 | US-09-027-287-1 | Sequence 1, App |
| C 86 | 19 | 76.0 | 1169 | 4 | US-09-352-656B-1 | Sequence 1, App |
| C 87 | 19 | 76.0 | 1174 | 2 | US-08-481-6588-39 | Sequence 39, App |
| C 88 | 19 | 76.0 | 1174 | 2 | US-08-477-504A-39 | Sequence 39, App |
| C 89 | 19 | 76.0 | 1174 | 2 | US-08-486-756A-39 | Sequence 39, App |
| C 90 | 19 | 76.0 | 1174 | 2 | US-08-485-862B-39 | Sequence 39, App |
| C 91 | 19 | 76.0 | 1174 | 3 | US-08-787-739-39 | Sequence 39, App |
| C 92 | 19 | 76.0 | 1174 | 3 | US-08-487-077A-39 | Sequence 39, App |
| C 93 | 19 | 76.0 | 1174 | 3 | US-08-485-863A-39 | Sequence 39, App |
| C 94 | 19 | 76.0 | 1174 | 3 | US-08-485-049D-39 | Sequence 39, App |
| C 95 | 19 | 76.0 | 1174 | 3 | US-09-178-115-39 | Sequence 39, App |
| C 96 | 19 | 76.0 | 1175 | 4 | US-09-177-776-39 | Sequence 39, App |
| C 97 | 19 | 76.0 | 1175 | 4 | US-09-489-847-105 | Sequence 105, App |
| C 98 | 19 | 76.0 | 1200 | 3 | US-09-018-584A-37 | Sequence 37, App |
| C 99 | 19 | 76.0 | 1236 | 4 | US-09-918-686-19 | Sequence 19, App |
| C 100 | 19 | 76.0 | 1237 | 4 | US-09-535-008-56 | Sequence 56, App |

| | | | | | | | | | | | | | |
|-------|----|------|------|---|---------------------|-------------------|-------|----|------|------|---|--------------------|-------------------|
| 101 | 19 | 76.0 | 1237 | 4 | US-09-904-615-50 | Sequence 50, Appl | 174 | 19 | 76.0 | 2184 | 4 | US-09-289-198-296 | Sequence 236, App |
| C 102 | 19 | 76.0 | 1280 | 4 | US-08-705-477B-94 | Sequence 94, Appl | 175 | 19 | 76.0 | 2224 | 4 | US-09-016-434-1387 | Sequence 187, Ap |
| C 103 | 19 | 76.0 | 1351 | 4 | US-09-205-258-104 | Sequence 104, App | 176 | 19 | 76.0 | 2255 | 3 | US-08-871-572B-3 | Sequence 3, Appl |
| C 104 | 19 | 76.0 | 1361 | 4 | US-09-489-847-64 | Sequence 64, Appl | C 177 | 19 | 76.0 | 2309 | 4 | US-09-449-437A-5 | Sequence 5, Appl |
| 105 | 19 | 76.0 | 1363 | 1 | US-08-776-088-21 | Sequence 21, Appl | C 178 | 19 | 76.0 | 2309 | 4 | US-09-195-106-1 | Sequence 1, Appl |
| 106 | 19 | 76.0 | 1363 | 5 | PCT-US95-09145A-21 | Sequence 21, Appl | C 179 | 19 | 76.0 | 2331 | 4 | US-10-020-079-23 | Sequence 23, Appl |
| 107 | 19 | 76.0 | 1373 | 4 | US-09-482-273-70 | Sequence 70, Appl | 180 | 19 | 76.0 | 2334 | 4 | US-09-493-565-1 | Sequence 1, Appl |
| 108 | 19 | 76.0 | 1395 | 4 | US-09-996-243-35 | Sequence 35, Appl | C 181 | 19 | 76.0 | 2370 | 4 | US-10-020-079-21 | Sequence 21, Appl |
| 109 | 19 | 76.0 | 1398 | 4 | US-09-461-325-70 | Sequence 70, Appl | 182 | 19 | 76.0 | 2420 | 1 | US-08-330-123A-3 | Sequence 3, Appl |
| C 110 | 19 | 76.0 | 1401 | 2 | US-08-481-658B-49 | Sequence 49, Appl | 183 | 19 | 76.0 | 2420 | 4 | US-09-580-517-3 | Sequence 3, Appl |
| C 111 | 19 | 76.0 | 1401 | 2 | US-08-477-504A-49 | Sequence 49, Appl | 184 | 19 | 76.0 | 2425 | 2 | US-08-485-778-1 | Sequence 1, Appl |
| C 112 | 19 | 76.0 | 1401 | 2 | US-08-486-756A-49 | Sequence 49, Appl | 185 | 19 | 76.0 | 2425 | 3 | US-08-520-550A-1 | Sequence 1, Appl |
| C 113 | 19 | 76.0 | 1401 | 2 | US-08-485-862B-49 | Sequence 49, Appl | 186 | 19 | 76.0 | 2426 | 1 | US-08-462-115B-3 | Sequence 3, Appl |
| C 114 | 19 | 76.0 | 1401 | 3 | US-08-787-739-49 | Sequence 49, Appl | 187 | 19 | 76.0 | 2426 | 2 | US-08-660-078A-3 | Sequence 3, Appl |
| C 115 | 19 | 76.0 | 1401 | 3 | US-08-487-077A-49 | Sequence 49, Appl | 188 | 19 | 76.0 | 2426 | 2 | US-08-472-802C-4 | Sequence 4, Appl |
| C 116 | 19 | 76.0 | 1401 | 3 | US-08-485-863A-49 | Sequence 49, Appl | 189 | 19 | 76.0 | 2426 | 2 | US-08-714-482-1 | Sequence 1, Appl |
| C 117 | 19 | 76.0 | 1401 | 3 | US-08-485-049D-49 | Sequence 49, Appl | 190 | 19 | 76.0 | 2426 | 3 | US-08-998-443-3 | Sequence 3, Appl |
| C 118 | 19 | 76.0 | 1401 | 3 | US-09-178-115-49 | Sequence 49, Appl | 191 | 19 | 76.0 | 2426 | 3 | US-09-060-523-3 | Sequence 3, Appl |
| C 119 | 19 | 76.0 | 1401 | 3 | US-09-177-776-49 | Sequence 49, Appl | 192 | 19 | 76.0 | 2426 | 4 | US-09-057-351-3 | Sequence 3, Appl |
| C 120 | 19 | 76.0 | 1418 | 5 | PCT-US95-17111A-120 | Sequence 120, App | 193 | 19 | 76.0 | 2448 | 2 | US-08-687-080-111 | Sequence 11, App |
| C 121 | 19 | 76.0 | 1442 | 2 | US-08-454-557C-120 | Sequence 120, App | 194 | 19 | 76.0 | 2458 | 4 | US-09-996-243-502 | Sequence 502, App |
| C 122 | 19 | 76.0 | 1442 | 2 | US-08-340-426D-120 | Sequence 120, App | 195 | 19 | 76.0 | 2480 | 4 | US-09-534-638-3 | Sequence 3, Appl |
| C 123 | 19 | 76.0 | 1442 | 2 | US-08-450-673C-120 | Sequence 120, App | 196 | 19 | 76.0 | 2561 | 4 | US-09-270-542-101 | Sequence 101, App |
| C 124 | 19 | 76.0 | 1491 | 1 | US-08-913-014A-5 | Sequence 5, Appl | 197 | 19 | 76.0 | 2561 | 4 | US-09-270-542-119 | Sequence 119, App |
| C 125 | 19 | 76.0 | 1534 | 1 | US-08-480-784-13 | Sequence 13, Appl | C 198 | 19 | 76.0 | 2562 | 4 | US-10-020-079-31 | Sequence 31, Appl |
| C 126 | 19 | 76.0 | 1534 | 1 | US-08-483-553-13 | Sequence 13, Appl | C 199 | 19 | 76.0 | 2631 | 4 | US-10-020-079-29 | Sequence 29, Appl |
| C 127 | 19 | 76.0 | 1534 | 1 | US-08-487-002-13 | Sequence 13, Appl | C 200 | 19 | 76.0 | 2640 | 4 | US-09-857-447-3 | Sequence 3, Appl |
| C 128 | 19 | 76.0 | 1534 | 1 | US-08-483-554B-13 | Sequence 13, Appl | C 201 | 19 | 76.0 | 2640 | 4 | US-09-857-447-4 | Sequence 4, Appl |
| C 129 | 19 | 76.0 | 1534 | 1 | US-08-488-011B-13 | Sequence 13, Appl | C 202 | 19 | 76.0 | 2670 | 4 | US-10-020-079-19 | Sequence 19, Appl |
| C 130 | 19 | 76.0 | 1534 | 3 | US-08-850-727-13 | Sequence 13, Appl | C 203 | 19 | 76.0 | 2688 | 4 | US-10-020-079-17 | Sequence 17, Appl |
| C 131 | 19 | 76.0 | 1534 | 5 | PCT-US95-10202-13 | Sequence 13, Appl | C 204 | 19 | 76.0 | 2713 | 2 | US-08-916-901-6 | Sequence 6, Appl |
| C 132 | 19 | 76.0 | 1534 | 5 | PCT-US95-10203-13 | Sequence 13, Appl | C 205 | 19 | 76.0 | 2713 | 4 | US-09-154-602-6 | Sequence 6, Appl |
| C 133 | 19 | 76.0 | 1534 | 4 | PCT-US95-10220-13 | Sequence 13, Appl | C 206 | 19 | 76.0 | 2784 | 1 | US-08-471-454-1 | Sequence 1, Appl |
| C 134 | 19 | 76.0 | 1558 | 4 | US-09-369-247-37 | Sequence 37, Appl | C 207 | 19 | 76.0 | 2784 | 2 | US-08-466-974-1 | Sequence 1, Appl |
| C 135 | 19 | 76.0 | 1656 | 1 | US-08-324-465-2 | Sequence 2, Appl | C 208 | 19 | 76.0 | 2834 | 3 | US-08-471-453-1 | Sequence 1, Appl |
| C 136 | 19 | 76.0 | 1656 | 2 | US-08-465-981-2 | Sequence 2, Appl | C 209 | 19 | 76.0 | 2834 | 2 | US-09-305-384-6 | Sequence 6, Appl |
| C 137 | 19 | 76.0 | 1656 | 5 | PCT-US93-11915-2 | Sequence 2, Appl | C 210 | 19 | 76.0 | 2900 | 3 | US-09-038-832-1 | Sequence 1, Appl |
| C 138 | 19 | 76.0 | 1690 | 3 | US-08-943-731-166 | Sequence 166, App | C 211 | 19 | 76.0 | 2931 | 4 | US-10-020-079-27 | Sequence 27, Appl |
| C 139 | 19 | 76.0 | 1701 | 3 | US-09-078-294-9 | Sequence 9, Appl | C 212 | 19 | 76.0 | 2932 | 4 | US-09-016-434-1419 | Sequence 1419, Ap |
| C 140 | 19 | 76.0 | 1725 | 1 | US-08-324-465-5 | Sequence 5, Appl | C 213 | 19 | 76.0 | 2949 | 4 | US-10-020-079-25 | Sequence 25, Appl |
| C 141 | 19 | 76.0 | 1725 | 2 | US-08-465-981-5 | Sequence 5, Appl | C 214 | 19 | 76.0 | 3000 | 4 | US-09-705-679-18 | Sequence 18, Appl |
| C 142 | 19 | 76.0 | 1725 | 5 | PCT-US93-11915-5 | Sequence 5, Appl | C 215 | 19 | 76.0 | 3001 | 4 | US-09-539-333D-151 | Sequence 151, App |
| C 143 | 19 | 76.0 | 1743 | 4 | US-09-261-599B-2 | Sequence 2, Appl | C 216 | 19 | 76.0 | 3001 | 4 | US-09-539-333D-151 | Sequence 151, App |
| C 144 | 19 | 76.0 | 1743 | 4 | US-09-456-455A-2 | Sequence 2, Appl | C 217 | 19 | 76.0 | 3001 | 4 | US-09-539-333D-151 | Sequence 151, App |
| C 145 | 19 | 76.0 | 1748 | 4 | US-08-202-056-8 | Sequence 8, Appl | C 218 | 19 | 76.0 | 3001 | 4 | US-09-539-333D-151 | Sequence 151, App |
| C 146 | 19 | 76.0 | 1763 | 4 | US-09-449-437A-3 | Sequence 3, Appl | C 219 | 19 | 76.0 | 3001 | 4 | US-09-539-333D-193 | Sequence 193, App |
| C 147 | 19 | 76.0 | 1829 | 2 | US-08-687-080-57 | Sequence 57, Appl | C 220 | 19 | 76.0 | 3001 | 4 | US-09-539-333D-222 | Sequence 222, App |
| C 148 | 19 | 76.0 | 1853 | 4 | US-09-433-313-369 | Sequence 369, App | C 221 | 19 | 76.0 | 3035 | 1 | US-08-726-725-2 | Sequence 2, Appl |
| C 149 | 19 | 76.0 | 1853 | 4 | US-09-062-451-295 | Sequence 295, App | C 222 | 19 | 76.0 | 3224 | 3 | US-08-965-729B-2 | Sequence 2, Appl |
| C 150 | 19 | 76.0 | 1853 | 4 | US-09-352-616A-369 | Sequence 369, App | C 223 | 19 | 76.0 | 3330 | 1 | PCT-US95-06420-2 | Sequence 2, Appl |
| C 151 | 19 | 76.0 | 1853 | 4 | US-09-289-198-295 | Sequence 295, App | C 224 | 19 | 76.0 | 3330 | 5 | PCT-US95-06420-2 | Sequence 2, Appl |
| C 152 | 19 | 76.0 | 1901 | 3 | US-09-338-907-181 | Sequence 181, App | C 225 | 19 | 76.0 | 3366 | 1 | US-08-469-802B-1 | Sequence 1, Appl |
| C 153 | 19 | 76.0 | 1901 | 4 | US-09-218-207-181 | Sequence 181, App | C 226 | 19 | 76.0 | 3366 | 2 | US-08-267-803B-1 | Sequence 1, Appl |
| C 154 | 19 | 76.0 | 1924 | 1 | US-08-480-784-14 | Sequence 14, Appl | C 227 | 19 | 76.0 | 3507 | 1 | US-08-832-883-67 | Sequence 67, Appl |
| C 155 | 19 | 76.0 | 1924 | 1 | US-08-483-553-14 | Sequence 14, Appl | C 228 | 19 | 76.0 | 3507 | 2 | US-08-832-887-67 | Sequence 67, Appl |
| C 156 | 19 | 76.0 | 1924 | 1 | US-08-487-002-14 | Sequence 14, Appl | C 229 | 19 | 76.0 | 3621 | 2 | US-09-019-701A-1 | Sequence 1, Appl |
| C 157 | 19 | 76.0 | 1924 | 1 | US-08-483-554B-14 | Sequence 14, Appl | C 230 | 19 | 76.0 | 3627 | 4 | US-09-323-873A-6 | Sequence 6, Appl |
| C 158 | 19 | 76.0 | 1924 | 1 | US-08-488-011B-14 | Sequence 14, Appl | C 231 | 19 | 76.0 | 3633 | 3 | US-09-499-884-11 | Sequence 11, Appl |
| C 159 | 19 | 76.0 | 1924 | 3 | US-08-850-727-14 | Sequence 14, Appl | C 232 | 19 | 76.0 | 3634 | 3 | US-09-232-200-46 | Sequence 46, Appl |
| C 160 | 19 | 76.0 | 1924 | 5 | PCT-US95-10202-14 | Sequence 14, Appl | C 233 | 19 | 76.0 | 3634 | 4 | US-09-232-200-46 | Sequence 46, Appl |
| C 161 | 19 | 76.0 | 1924 | 5 | PCT-US95-10203-14 | Sequence 14, Appl | C 234 | 19 | 76.0 | 3634 | 4 | US-09-232-201-46 | Sequence 46, Appl |
| C 162 | 19 | 76.0 | 1924 | 5 | PCT-US95-10220-14 | Sequence 14, Appl | C 235 | 19 | 76.0 | 3704 | 3 | US-09-232-200-24 | Sequence 24, Appl |
| C 163 | 19 | 76.0 | 1926 | 3 | US-09-117-250-4 | Sequence 4, Appl | C 236 | 19 | 76.0 | 3704 | 4 | US-09-232-197-24 | Sequence 24, Appl |
| C 164 | 19 | 76.0 | 1988 | 2 | US-08-257-963B-11 | Sequence 11, Appl | C 237 | 19 | 76.0 | 3704 | 4 | US-09-232-201-24 | Sequence 24, Appl |
| C 165 | 19 | 76.0 | 1988 | 2 | US-08-367-841A-11 | Sequence 11, Appl | C 238 | 19 | 76.0 | 3804 | 4 | US-09-620-312D-894 | Sequence 894, App |
| C 166 | 19 | 76.0 | 1988 | 5 | PCT-US95-07201-11 | Sequence 11, Appl | C 239 | 19 | 76.0 | 3883 | 4 | US-09-620-312D-792 | Sequence 792, App |
| C 167 | 19 | 76.0 | 2091 | 4 | US-09-620-312D-743 | Sequence 743, App | C 240 | 19 | 76.0 | 3883 | 4 | US-08-688-145-1 | Sequence 1, Appl |
| C 168 | 19 | 76.0 | 2094 | 4 | US-09-369-247-46 | Sequence 46, Appl | C 241 | 19 | 76.0 | 4078 | 4 | US-09-016-434-1109 | Sequence 1109, Ap |
| C 169 | 19 | 76.0 | 2125 | 3 | US-09-305-639-6 | Sequence 6, Appl | C 242 | 19 | 76.0 | 4183 | 3 | US-09-460-145-1 | Sequence 1, Appl |
| C 170 | 19 | 76.0 | 2133 | 3 | US-08-808-032-1 | Sequence 1, Appl | C 243 | 19 | 76.0 | 4183 | 4 | US-09-895-547-1 | Sequence 1, Appl |
| C 171 | 19 | 76.0 | 2184 | 4 | US-09-439-313-370 | Sequence 370, App | C 244 | 19 | 76.0 | 4431 | 2 | US-08-257-963B-9 | Sequence 9, Appl |
| C 172 | 19 | 76.0 | 2184 | 4 | US-09-062-451-296 | Sequence 296, App | C 245 | 19 | 76.0 | 4431 | 2 | US-08-257-963B-9 | Sequence 9, Appl |
| C 173 | 19 | 76.0 | 2184 | 4 | US-09-352-616A-370 | Sequence 370, App | C 246 | 19 | 76.0 | 4431 | 4 | US-08-367-841A-9 | Sequence 9, Appl |

| | | | | | | | | | | | | | |
|-------|----|------|-------|---|--------------------|-------------------|-------|----|------|-------|---|--------------------|--------------------|
| C 247 | 19 | 76.0 | 4421 | 4 | US-08-367-841A-9 | Sequence 9, App11 | 320 | 19 | 76.0 | 11531 | 1 | US-08-442-806-1 | Sequence 1, App11 |
| C 248 | 19 | 76.0 | 4421 | 4 | US-08-520-373D-6 | Sequence 6, App11 | 321 | 19 | 76.0 | 11531 | 4 | US-09-355-295B-1 | Sequence 1, App11 |
| C 249 | 19 | 76.0 | 4421 | 4 | US-08-520-373D-6 | Sequence 6, App11 | 322 | 19 | 76.0 | 11531 | 3 | US-09-078-294-7 | Sequence 7, App11 |
| C 250 | 19 | 76.0 | 4421 | 5 | PCT-US95-07201-9 | Sequence 9, App11 | C 323 | 19 | 76.0 | 11811 | 3 | US-09-078-294-7 | Sequence 7, App11 |
| C 251 | 19 | 76.0 | 4421 | 5 | PCT-US95-07201-9 | Sequence 9, App11 | C 324 | 19 | 76.0 | 12047 | 2 | US-09-022-461-1 | Sequence 1, App11 |
| C 252 | 19 | 76.0 | 4444 | 4 | US-09-879-833-3 | Sequence 3, App11 | C 325 | 19 | 76.0 | 12047 | 4 | US-09-033-556-3 | Sequence 3, App11 |
| C 253 | 19 | 76.0 | 4521 | 4 | US-09-533-494A-18 | Sequence 18, App1 | C 326 | 19 | 76.0 | 12047 | 4 | US-09-474-699-11 | Sequence 11, App1 |
| C 254 | 19 | 76.0 | 4668 | 3 | US-09-045-301-1 | Sequence 1, App1 | C 327 | 19 | 76.0 | 12143 | 4 | US-09-423-744A-1 | Sequence 10, App1 |
| C 255 | 19 | 76.0 | 4793 | 3 | US-09-561-497-10 | Sequence 10, App1 | C 328 | 19 | 76.0 | 12394 | 3 | US-09-488-856A-10 | Sequence 3, App1 |
| C 256 | 19 | 76.0 | 4895 | 3 | US-09-053-866-1 | Sequence 1, App1 | C 329 | 19 | 76.0 | 12565 | 3 | US-09-345-217-3 | Sequence 3, App1 |
| C 257 | 19 | 76.0 | 4885 | 4 | US-09-479-130-1 | Sequence 1, App11 | C 330 | 19 | 76.0 | 12647 | 1 | US-08-550-715-1 | Sequence 1, App11 |
| C 258 | 19 | 76.0 | 4895 | 4 | US-09-472-130A-1 | Sequence 1, App11 | C 331 | 19 | 76.0 | 13104 | 3 | US-08-256-799-4 | Sequence 4, App11 |
| C 259 | 19 | 76.0 | 5009 | 3 | US-08-978-1741-7 | Sequence 7, App11 | C 332 | 19 | 76.0 | 13104 | 3 | US-08-462-437-4 | Sequence 4, App11 |
| C 260 | 19 | 76.0 | 5009 | 3 | US-09-333-729A-8 | Sequence 8, App11 | C 333 | 19 | 76.0 | 14581 | 3 | US-08-520-373D-6 | Sequence 6, App11 |
| C 261 | 19 | 76.0 | 5262 | 4 | US-08-520-373D-5 | Sequence 5, App11 | C 334 | 19 | 76.0 | 14636 | 3 | US-09-173-914-6 | Sequence 6, App11 |
| C 262 | 19 | 76.0 | 5375 | 3 | US-08-757-223-7 | Sequence 7, App11 | C 335 | 19 | 76.0 | 14636 | 3 | US-09-173-914-6 | Sequence 6, App11 |
| C 263 | 19 | 76.0 | 5605 | 3 | US-09-268-140-6 | Sequence 6, App11 | C 336 | 19 | 76.0 | 14747 | 4 | US-09-608-282A-42 | Sequence 42, App1 |
| C 264 | 19 | 76.0 | 6038 | 3 | US-09-305-639-4 | Sequence 4, App11 | C 337 | 19 | 76.0 | 14747 | 4 | US-09-557-800C-42 | Sequence 42, App1 |
| C 265 | 19 | 76.0 | 6038 | 4 | US-09-525-160B-2 | Sequence 2, App11 | C 338 | 19 | 76.0 | 14796 | 3 | US-08-975-080-35 | Sequence 35, App1 |
| C 266 | 19 | 76.0 | 6139 | 4 | US-08-843-076D-33 | Sequence 33, App1 | C 339 | 19 | 76.0 | 14796 | 3 | US-08-975-080-35 | Sequence 35, App1 |
| C 267 | 19 | 76.0 | 6235 | 3 | US-09-305-384-5 | Sequence 5, App11 | C 340 | 19 | 76.0 | 14796 | 3 | US-09-630-706-10 | Sequence 10, App1 |
| C 268 | 19 | 76.0 | 6235 | 4 | US-09-525-160B-6 | Sequence 6, App11 | C 341 | 19 | 76.0 | 14796 | 3 | US-09-630-706-10 | Sequence 10, App1 |
| C 269 | 19 | 76.0 | 6470 | 4 | US-09-620-312D-255 | Sequence 255, App | C 342 | 19 | 76.0 | 14796 | 4 | US-09-496-694B-3 | Sequence 3, App11 |
| C 270 | 19 | 76.0 | 6623 | 2 | US-08-687-080-68 | Sequence 68, App1 | C 343 | 19 | 76.0 | 14796 | 4 | US-09-496-694B-3 | Sequence 3, App11 |
| C 271 | 19 | 76.0 | 6623 | 2 | US-09-305-384-1 | Sequence 1, App11 | C 344 | 19 | 76.0 | 14855 | 2 | US-08-687-080-59 | Sequence 59, App1 |
| C 272 | 19 | 76.0 | 6679 | 4 | US-09-525-160B-5 | Sequence 5, App11 | C 345 | 19 | 76.0 | 15056 | 4 | US-09-474-699-10 | Sequence 10, App1 |
| C 273 | 19 | 76.0 | 6757 | 4 | US-09-620-312D-319 | Sequence 319, App | C 346 | 19 | 76.0 | 15056 | 2 | US-08-888-497-33 | Sequence 33, App1 |
| C 274 | 19 | 76.0 | 6792 | 4 | US-09-374-454-20 | Sequence 20, App1 | C 347 | 19 | 76.0 | 15328 | 5 | PCT-US94-07926-33 | Sequence 33, App1 |
| C 275 | 19 | 76.0 | 6792 | 4 | US-09-620-312D-299 | Sequence 299, App | C 348 | 19 | 76.0 | 15328 | 4 | US-09-783-203-1 | Sequence 1, App11 |
| C 276 | 19 | 76.0 | 6792 | 4 | US-09-620-312D-299 | Sequence 299, App | C 349 | 19 | 76.0 | 15328 | 4 | US-09-783-203-1 | Sequence 1, App11 |
| C 277 | 19 | 76.0 | 7210 | 2 | US-08-557-963B-10 | Sequence 10, App1 | C 350 | 19 | 76.0 | 15377 | 4 | US-09-608-282A-59 | Sequence 59, App1 |
| C 278 | 19 | 76.0 | 7210 | 4 | US-08-367-841A-10 | Sequence 10, App1 | C 351 | 19 | 76.0 | 15663 | 4 | US-09-801-052-3 | Sequence 3, App11 |
| C 279 | 19 | 76.0 | 7210 | 5 | PCT-US95-07201-10 | Sequence 10, App1 | C 352 | 19 | 76.0 | 17000 | 4 | US-09-679-299A-18 | Sequence 18, App1 |
| C 280 | 19 | 76.0 | 7452 | 3 | US-08-195-006-1 | Sequence 1, App11 | C 353 | 19 | 76.0 | 17000 | 4 | US-09-679-299A-18 | Sequence 18, App1 |
| C 281 | 19 | 76.0 | 7452 | 5 | PCT-US94-07644A-1 | Sequence 1, App11 | C 354 | 19 | 76.0 | 17000 | 4 | US-08-076-011-1 | Sequence 1, App11 |
| C 282 | 19 | 76.0 | 7610 | 4 | US-09-659-791A-12 | Sequence 12, App1 | C 355 | 19 | 76.0 | 17327 | 1 | US-07-906-871-15 | Sequence 15, App1 |
| C 283 | 19 | 76.0 | 7610 | 4 | US-09-305-639-1 | Sequence 1, App11 | C 356 | 19 | 76.0 | 17327 | 1 | US-07-906-871-15 | Sequence 15, App1 |
| C 284 | 19 | 76.0 | 7622 | 4 | US-09-525-160B-1 | Sequence 1, App11 | C 357 | 19 | 76.0 | 17327 | 1 | US-07-906-871-15 | Sequence 15, App1 |
| C 285 | 19 | 76.0 | 7622 | 4 | US-09-525-160B-1 | Sequence 1, App11 | C 358 | 19 | 76.0 | 17327 | 1 | US-09-702-705-1804 | Sequence 1804, App |
| C 286 | 19 | 76.0 | 7676 | 1 | US-08-451-777A-7 | Sequence 7, App11 | C 359 | 19 | 76.0 | 17669 | 4 | US-09-736-457-1804 | Sequence 4, App11 |
| C 287 | 19 | 76.0 | 7676 | 2 | US-08-451-777A-7 | Sequence 7, App11 | C 360 | 19 | 76.0 | 17669 | 4 | US-08-943-731-4 | Sequence 4, App11 |
| C 288 | 19 | 76.0 | 7676 | 2 | US-08-451-777A-7 | Sequence 7, App11 | C 361 | 19 | 76.0 | 18000 | 4 | US-09-657-346A-17 | Sequence 17, App1 |
| C 289 | 19 | 76.0 | 7676 | 2 | US-08-451-777A-7 | Sequence 7, App11 | C 362 | 19 | 76.0 | 18000 | 4 | US-09-657-346A-17 | Sequence 17, App1 |
| C 290 | 19 | 76.0 | 8021 | 4 | US-09-797-908-3 | Sequence 3, App11 | C 363 | 19 | 76.0 | 18000 | 4 | US-09-657-346A-17 | Sequence 17, App1 |
| C 291 | 19 | 76.0 | 8220 | 4 | US-09-797-908-3 | Sequence 3, App11 | C 364 | 19 | 76.0 | 18597 | 4 | US-09-962-665-8 | Sequence 8, App11 |
| C 292 | 19 | 76.0 | 8336 | 4 | US-08-611-587-1 | Sequence 1, App11 | C 365 | 19 | 76.0 | 18597 | 4 | US-09-962-665-8 | Sequence 8, App11 |
| C 293 | 19 | 76.0 | 8336 | 4 | US-09-328-174A-1 | Sequence 1, App11 | C 366 | 19 | 76.0 | 18853 | 4 | US-09-820-005-3 | Sequence 3, App11 |
| C 294 | 19 | 76.0 | 8409 | 3 | US-09-167-681-37 | Sequence 37, App1 | C 367 | 19 | 76.0 | 19011 | 1 | US-08-310-355-36 | Sequence 36, App1 |
| C 295 | 19 | 76.0 | 8835 | 3 | US-08-884-324-10 | Sequence 10, App1 | C 368 | 19 | 76.0 | 19557 | 5 | PCT-US92-06300-1 | Sequence 1, App11 |
| C 296 | 19 | 76.0 | 9377 | 4 | US-09-801-874-3 | Sequence 3, App11 | C 369 | 19 | 76.0 | 19557 | 5 | PCT-US92-06300-1 | Sequence 1, App11 |
| C 297 | 19 | 76.0 | 9531 | 4 | US-09-163-748C-3 | Sequence 3, App11 | C 370 | 19 | 76.0 | 19736 | 4 | US-09-740-035-3 | Sequence 3, App11 |
| C 298 | 19 | 76.0 | 9837 | 2 | US-08-832-883-68 | Sequence 68, App1 | C 371 | 19 | 76.0 | 19736 | 4 | US-09-740-035-3 | Sequence 3, App11 |
| C 299 | 19 | 76.0 | 9837 | 2 | US-08-832-883-68 | Sequence 68, App1 | C 372 | 19 | 76.0 | 20084 | 3 | US-08-943-731-5 | Sequence 5, App11 |
| C 300 | 19 | 76.0 | 9862 | 4 | US-09-691-861A-3 | Sequence 3, App11 | C 373 | 19 | 76.0 | 20303 | 4 | US-08-370-975B-6 | Sequence 6, App11 |
| C 301 | 19 | 76.0 | 10079 | 2 | US-08-476-866-20 | Sequence 20, App1 | C 374 | 19 | 76.0 | 20303 | 4 | US-08-370-975B-6 | Sequence 6, App11 |
| C 302 | 19 | 76.0 | 10504 | 4 | US-09-423-744A-19 | Sequence 19, App1 | C 375 | 19 | 76.0 | 20966 | 4 | US-09-776-976-7 | Sequence 7, App11 |
| C 303 | 19 | 76.0 | 10898 | 2 | US-08-481-658B-5 | Sequence 5, App11 | C 376 | 19 | 76.0 | 20966 | 4 | US-09-909-547-7 | Sequence 7, App11 |
| C 304 | 19 | 76.0 | 10898 | 2 | US-08-477-504A-5 | Sequence 5, App11 | C 377 | 19 | 76.0 | 20966 | 4 | US-09-569-852B-1 | Sequence 1, App11 |
| C 305 | 19 | 76.0 | 10898 | 2 | US-08-486-756A-5 | Sequence 5, App11 | C 378 | 19 | 76.0 | 21234 | 4 | US-09-810-671-3 | Sequence 3, App11 |
| C 306 | 19 | 76.0 | 10898 | 2 | US-08-485-862B-5 | Sequence 5, App11 | C 379 | 19 | 76.0 | 21234 | 4 | US-09-810-671-3 | Sequence 3, App11 |
| C 307 | 19 | 76.0 | 10898 | 3 | US-08-787-739-5 | Sequence 5, App11 | C 380 | 19 | 76.0 | 21784 | 4 | US-09-820-002-3 | Sequence 3, App11 |
| C 308 | 19 | 76.0 | 10898 | 3 | US-08-487-077A-5 | Sequence 5, App11 | C 381 | 19 | 76.0 | 22481 | 5 | US-08-367-841A-3 | Sequence 43, App1 |
| C 309 | 19 | 76.0 | 10898 | 3 | US-08-485-863A-5 | Sequence 5, App11 | C 382 | 19 | 76.0 | 22481 | 5 | US-08-367-841A-3 | Sequence 43, App1 |
| C 310 | 19 | 76.0 | 10898 | 3 | US-08-485-863A-5 | Sequence 5, App11 | C 383 | 19 | 76.0 | 22481 | 5 | PCT-US95-07201-9 | Sequence 2, App11 |
| C 311 | 19 | 76.0 | 10898 | 3 | US-09-178-115-5 | Sequence 5, App11 | C 384 | 19 | 76.0 | 24707 | 4 | US-09-875-223-2 | Sequence 43, App1 |
| C 312 | 19 | 76.0 | 10898 | 3 | US-09-177-776-5 | Sequence 5, App11 | C 385 | 19 | 76.0 | 25664 | 4 | US-09-740-027-3 | Sequence 3, App11 |
| C 313 | 19 | 76.0 | 11288 | 3 | US-08-646-301A-1 | Sequence 1, App11 | C 386 | 19 | 76.0 | 25664 | 4 | US-09-326-480A-4 | Sequence 4, App11 |
| C 314 | 19 | 76.0 | 11288 | 4 | US-08-481-968A-4 | Sequence 4, App11 | C 387 | 19 | 76.0 | 26664 | 4 | US-09-564-480A-1 | Sequence 28, App1 |
| C 315 | 19 | 76.0 | 11288 | 4 | US-08-154-712B-4 | Sequence 4, App11 | C 388 | 19 | 76.0 | 26764 | 1 | US-08-370-975B-1 | Sequence 1, App11 |
| C 316 | 19 | 76.0 | 11298 | 1 | US-07-869-933-31 | Sequence 31, App1 | C 389 | 19 | 76.0 | 28001 | 4 | US-09-819-993-3 | Sequence 3, App11 |
| C 317 | 19 | 76.0 | 11298 | 1 | US-08-201-879A-2 | Sequence 2, App11 | C 390 | 19 | 76.0 | 28920 | 4 | US-09-341-587-7 | Sequence 7, App11 |
| C 318 | 19 | 76.0 | 11298 | 3 | US-09-103-663-31 | Sequence 31, App1 | C 391 | 19 | 76.0 | 28920 | 4 | US-08-884-324-14 | Sequence 14, App1 |
| C 319 | 19 | 76.0 | 11531 | 1 | US-08-669-161A-29 | Sequence 29, App1 | C 392 | 19 | 76.0 | 29629 | 4 | US-09-729-995-3 | Sequence 3, App11 |
| | | | | | US-08-068-945A-1 | Sequence 1, App11 | | | | | | | |

| | | | | | | | | | | | | | |
|-------|----|------|-------|---|-------------------|--------------------|-------|----|------|--------|---|--------------------|--------------------|
| C 393 | 19 | 76.0 | 31208 | 4 | US-09-852-067-3 | Sequence 3, Appl1 | C 466 | 19 | 76.0 | 72604 | 4 | US-09-657-474-7 | Sequence 7, Appl1 |
| C 394 | 19 | 76.0 | 31571 | 1 | US-08-333-443B-1 | Sequence 1, Appl1 | 467 | 19 | 76.0 | 72928 | 3 | US-09-009-913-1 | Sequence 1, Appl1 |
| C 395 | 19 | 76.0 | 32042 | 1 | US-09-245-281-44 | Sequence 44, Appl1 | 468 | 19 | 76.0 | 74962 | 4 | US-09-685-853A-3 | Sequence 3, Appl1 |
| C 396 | 19 | 76.0 | 32042 | 4 | US-09-340-620A-63 | Sequence 63, Appl1 | C 469 | 19 | 76.0 | 74962 | 4 | US-09-685-853A-3 | Sequence 3, Appl1 |
| C 397 | 19 | 76.0 | 32654 | 4 | US-09-801-191A-3 | Sequence 3, Appl1 | 470 | 19 | 76.0 | 75395 | 4 | US-09-684-890-3 | Sequence 3, Appl1 |
| C 398 | 19 | 76.0 | 32654 | 4 | US-09-801-191A-3 | Sequence 3, Appl1 | C 471 | 19 | 76.0 | 75395 | 4 | US-09-684-890-3 | Sequence 3, Appl1 |
| C 399 | 19 | 76.0 | 35060 | 1 | US-08-814-095-7 | Sequence 7, Appl1 | C 472 | 19 | 76.0 | 80246 | 3 | US-09-078-294-4 | Sequence 4, Appl1 |
| C 400 | 19 | 76.0 | 35100 | 1 | US-08-306-691B-19 | Sequence 19, Appl1 | C 473 | 19 | 76.0 | 80595 | 3 | US-09-078-294-4 | Sequence 4, Appl1 |
| C 401 | 19 | 76.0 | 35100 | 1 | US-08-306-691B-19 | Sequence 19, Appl1 | C 474 | 19 | 76.0 | 81001 | 4 | US-09-750-580-1 | Sequence 3, Appl1 |
| C 402 | 19 | 76.0 | 35100 | 5 | PCT-US93-06251-19 | Sequence 19, Appl1 | C 475 | 19 | 76.0 | 83450 | 4 | US-09-811-469-3 | Sequence 3, Appl1 |
| C 403 | 19 | 76.0 | 35100 | 5 | PCT-US93-06251-19 | Sequence 19, Appl1 | C 476 | 19 | 76.0 | 83450 | 4 | US-09-811-469-3 | Sequence 3, Appl1 |
| C 404 | 19 | 76.0 | 36159 | 4 | US-09-749-588-3 | Sequence 3, Appl1 | C 477 | 19 | 76.0 | 84495 | 4 | US-09-797-906-3 | Sequence 3, Appl1 |
| C 405 | 19 | 76.0 | 36651 | 4 | US-09-738-894A-3 | Sequence 3, Appl1 | C 478 | 19 | 76.0 | 84495 | 4 | US-09-797-906-3 | Sequence 3, Appl1 |
| C 406 | 19 | 76.0 | 36651 | 4 | US-09-738-894A-3 | Sequence 3, Appl1 | C 479 | 19 | 76.0 | 87350 | 3 | US-08-781-891-79 | Sequence 79, Appl1 |
| C 407 | 19 | 76.0 | 36651 | 4 | US-09-964-469-3 | Sequence 3, Appl1 | C 480 | 19 | 76.0 | 87350 | 3 | US-08-781-891-79 | Sequence 79, Appl1 |
| C 408 | 19 | 76.0 | 36651 | 4 | US-09-964-469-3 | Sequence 3, Appl1 | C 481 | 19 | 76.0 | 87350 | 4 | US-09-618-166-79 | Sequence 79, Appl1 |
| C 409 | 19 | 76.0 | 36741 | 3 | US-09-301-665-3 | Sequence 3, Appl1 | C 482 | 19 | 76.0 | 87350 | 4 | US-09-618-166-79 | Sequence 79, Appl1 |
| C 410 | 19 | 76.0 | 36741 | 3 | US-09-301-665-3 | Sequence 3, Appl1 | C 483 | 19 | 76.0 | 87543 | 4 | US-09-791-211-3 | Sequence 3, Appl1 |
| C 411 | 19 | 76.0 | 38564 | 4 | US-09-734-673-3 | Sequence 3, Appl1 | C 484 | 19 | 76.0 | 87543 | 4 | US-09-791-211-3 | Sequence 3, Appl1 |
| C 412 | 19 | 76.0 | 38653 | 4 | US-09-922-445-1 | Sequence 1, Appl1 | C 485 | 19 | 76.0 | 90541 | 4 | US-09-759-359A-3 | Sequence 3, Appl1 |
| C 413 | 19 | 76.0 | 38844 | 4 | US-09-734-675-3 | Sequence 3, Appl1 | C 486 | 19 | 76.0 | 90541 | 4 | US-09-759-359A-3 | Sequence 3, Appl1 |
| C 414 | 19 | 76.0 | 39982 | 4 | US-09-820-924-3 | Sequence 3, Appl1 | C 487 | 19 | 76.0 | 92139 | 4 | US-09-918-686-1 | Sequence 1, Appl1 |
| C 415 | 19 | 76.0 | 39982 | 4 | US-09-820-924-3 | Sequence 3, Appl1 | C 488 | 19 | 76.0 | 92139 | 4 | US-09-918-686-1 | Sequence 1, Appl1 |
| C 416 | 19 | 76.0 | 40000 | 4 | US-09-780-049-18 | Sequence 18, Appl1 | C 489 | 19 | 76.0 | 98844 | 4 | US-09-791-211-10 | Sequence 10, Appl1 |
| C 417 | 19 | 76.0 | 40000 | 4 | US-09-780-049-18 | Sequence 18, Appl1 | C 490 | 19 | 76.0 | 98844 | 4 | US-09-791-211-10 | Sequence 10, Appl1 |
| C 418 | 19 | 76.0 | 41684 | 4 | US-09-536-059-1 | Sequence 1, Appl1 | C 491 | 19 | 76.0 | 99500 | 4 | US-09-798-096-10 | Sequence 10, Appl1 |
| C 419 | 19 | 76.0 | 42571 | 4 | US-09-810-347-3 | Sequence 3, Appl1 | C 492 | 19 | 76.0 | 99500 | 4 | US-09-798-096-10 | Sequence 10, Appl1 |
| C 420 | 19 | 76.0 | 43069 | 4 | US-09-292-542A-1 | Sequence 1, Appl1 | C 493 | 19 | 76.0 | 112132 | 4 | US-09-741-150-3 | Sequence 3, Appl1 |
| C 421 | 19 | 76.0 | 43950 | 4 | US-09-735-934A-3 | Sequence 3, Appl1 | C 494 | 19 | 76.0 | 112132 | 4 | US-09-741-150-3 | Sequence 3, Appl1 |
| C 422 | 19 | 76.0 | 43950 | 4 | US-09-735-934A-3 | Sequence 3, Appl1 | C 495 | 19 | 76.0 | 116592 | 4 | US-09-818-512-3 | Sequence 3, Appl1 |
| C 423 | 19 | 76.0 | 43950 | 4 | US-10-060-332-3 | Sequence 3, Appl1 | C 496 | 19 | 76.0 | 148567 | 3 | US-09-801-876B-3 | Sequence 3, Appl1 |
| C 424 | 19 | 76.0 | 43950 | 4 | US-10-060-332-3 | Sequence 3, Appl1 | C 497 | 19 | 76.0 | 152331 | 3 | US-09-128-155-16 | Sequence 16, Appl1 |
| C 425 | 19 | 76.0 | 45546 | 4 | US-09-146-053-6 | Sequence 6, Appl1 | C 498 | 19 | 76.0 | 152331 | 3 | US-09-128-155-16 | Sequence 16, Appl1 |
| C 426 | 19 | 76.0 | 45716 | 4 | US-08-965-048-5 | Sequence 5, Appl1 | C 499 | 19 | 76.0 | 162450 | 4 | US-09-345-882-1 | Sequence 1, Appl1 |
| C 427 | 19 | 76.0 | 45989 | 4 | US-08-965-048-6 | Sequence 6, Appl1 | C 500 | 19 | 76.0 | 162450 | 4 | US-09-345-882-1 | Sequence 1, Appl1 |
| C 428 | 19 | 76.0 | 46718 | 4 | US-09-816-093-3 | Sequence 3, Appl1 | C 501 | 19 | 76.0 | 168575 | 4 | US-09-426-290-1 | Sequence 1, Appl1 |
| C 429 | 19 | 76.0 | 46718 | 4 | US-09-816-093-3 | Sequence 3, Appl1 | C 502 | 19 | 76.0 | 168575 | 4 | US-09-426-290-1 | Sequence 1, Appl1 |
| C 430 | 19 | 76.0 | 49312 | 4 | US-09-671-317-485 | Sequence 485, App | C 503 | 19 | 76.0 | 169998 | 4 | US-09-676-610B-24 | Sequence 24, Appl1 |
| C 431 | 19 | 76.0 | 49312 | 4 | US-09-671-317-485 | Sequence 485, App | C 504 | 19 | 76.0 | 174493 | 4 | US-09-804-471A-3 | Sequence 3, Appl1 |
| C 432 | 19 | 76.0 | 50000 | 4 | US-09-146-053-3 | Sequence 3, Appl1 | C 505 | 19 | 76.0 | 174493 | 4 | US-09-804-471A-3 | Sequence 3, Appl1 |
| C 433 | 19 | 76.0 | 50000 | 4 | US-09-146-053-3 | Sequence 3, Appl1 | C 506 | 19 | 76.0 | 176373 | 3 | US-09-128-155-17 | Sequence 17, Appl1 |
| C 434 | 19 | 76.0 | 50000 | 4 | US-09-146-053-4 | Sequence 4, Appl1 | C 507 | 19 | 76.0 | 176373 | 3 | US-09-128-155-17 | Sequence 17, Appl1 |
| C 435 | 19 | 76.0 | 50000 | 4 | US-09-146-053-4 | Sequence 4, Appl1 | C 508 | 19 | 76.0 | 197496 | 4 | US-09-877-177A-10 | Sequence 10, Appl1 |
| C 436 | 19 | 76.0 | 51552 | 4 | US-09-733-294A-30 | Sequence 30, Appl1 | C 509 | 19 | 76.0 | 246240 | 2 | US-08-724-394A-20 | Sequence 20, Appl1 |
| C 437 | 19 | 76.0 | 51552 | 4 | US-09-733-294A-30 | Sequence 30, Appl1 | C 510 | 19 | 76.0 | 246240 | 2 | US-08-724-394A-20 | Sequence 20, Appl1 |
| C 438 | 19 | 76.0 | 51719 | 4 | US-09-918-686-2 | Sequence 2, Appl1 | C 511 | 19 | 76.0 | 246240 | 2 | US-08-724-394A-21 | Sequence 21, Appl1 |
| C 439 | 19 | 76.0 | 51719 | 4 | US-09-918-686-2 | Sequence 2, Appl1 | C 512 | 19 | 76.0 | 246240 | 2 | US-08-724-394A-21 | Sequence 21, Appl1 |
| C 440 | 19 | 76.0 | 53332 | 4 | US-09-801-861-2 | Sequence 2, Appl1 | C 513 | 19 | 76.0 | 246240 | 2 | US-08-724-394A-22 | Sequence 22, Appl1 |
| C 441 | 19 | 76.0 | 53526 | 3 | US-08-658-136-2 | Sequence 2, Appl1 | C 514 | 19 | 76.0 | 246240 | 2 | US-08-724-394A-22 | Sequence 22, Appl1 |
| C 442 | 19 | 76.0 | 53577 | 3 | US-08-658-136-1 | Sequence 1, Appl1 | C 515 | 19 | 76.0 | 319608 | 4 | US-09-539-333D-1 | Sequence 1, Appl1 |
| C 443 | 19 | 76.0 | 55298 | 4 | US-09-491-356C-1 | Sequence 1, Appl1 | C 516 | 19 | 76.0 | 319608 | 4 | US-09-539-333D-1 | Sequence 1, Appl1 |
| C 444 | 19 | 76.0 | 55298 | 4 | US-09-491-356C-1 | Sequence 1, Appl1 | C 517 | 19 | 76.0 | 319608 | 4 | US-09-679-409-1 | Sequence 1, Appl1 |
| C 445 | 19 | 76.0 | 55827 | 4 | US-09-813-133A-3 | Sequence 3, Appl1 | C 518 | 19 | 76.0 | 319608 | 4 | US-09-679-409-1 | Sequence 1, Appl1 |
| C 446 | 19 | 76.0 | 55827 | 4 | US-09-813-133A-3 | Sequence 3, Appl1 | C 519 | 18 | 72.0 | 288 | 1 | US-08-157-171-8 | Sequence 8, Appl1 |
| C 447 | 19 | 76.0 | 56516 | 2 | US-08-996-306-1 | Sequence 1, Appl1 | C 520 | 18 | 72.0 | 289 | 2 | US-08-481-658B-53 | Sequence 63, Appl1 |
| C 448 | 19 | 76.0 | 56516 | 2 | US-08-996-306-1 | Sequence 1, Appl1 | C 521 | 18 | 72.0 | 289 | 2 | US-08-477-504A-53 | Sequence 63, Appl1 |
| C 449 | 19 | 76.0 | 56516 | 4 | US-09-338-907-1 | Sequence 3, Appl1 | C 522 | 18 | 72.0 | 289 | 2 | US-08-485-756A-53 | Sequence 63, Appl1 |
| C 450 | 19 | 76.0 | 56520 | 3 | US-09-338-907-179 | Sequence 179, App | C 523 | 18 | 72.0 | 289 | 2 | US-08-485-756A-53 | Sequence 63, Appl1 |
| C 451 | 19 | 76.0 | 56520 | 3 | US-09-338-907-179 | Sequence 179, App | C 524 | 18 | 72.0 | 289 | 3 | US-08-485-862B-63 | Sequence 63, Appl1 |
| C 452 | 19 | 76.0 | 59065 | 4 | US-09-813-817-3 | Sequence 3, Appl1 | C 525 | 18 | 72.0 | 289 | 3 | US-08-485-862B-63 | Sequence 63, Appl1 |
| C 453 | 19 | 76.0 | 59065 | 4 | US-09-813-817-3 | Sequence 3, Appl1 | C 526 | 18 | 72.0 | 289 | 3 | US-08-485-863A-63 | Sequence 63, Appl1 |
| C 454 | 19 | 76.0 | 62804 | 4 | US-09-800-960-3 | Sequence 3, Appl1 | C 527 | 18 | 72.0 | 289 | 3 | US-08-485-863A-63 | Sequence 63, Appl1 |
| C 455 | 19 | 76.0 | 63588 | 4 | US-09-873-404-3 | Sequence 3, Appl1 | C 528 | 18 | 72.0 | 289 | 3 | US-09-178-115-63 | Sequence 63, Appl1 |
| C 456 | 19 | 76.0 | 63588 | 4 | US-09-873-404-3 | Sequence 3, Appl1 | C 529 | 18 | 72.0 | 289 | 3 | US-09-177-776-63 | Sequence 63, Appl1 |
| C 457 | 19 | 76.0 | 64467 | 4 | US-09-803-671B-3 | Sequence 3, Appl1 | C 530 | 18 | 72.0 | 295 | 2 | US-08-849-701-8 | Sequence 8, Appl1 |
| C 458 | 19 | 76.0 | 65042 | 4 | US-09-784-316-3 | Sequence 3, Appl1 | C 531 | 18 | 72.0 | 562 | 4 | US-09-495-050A-206 | Sequence 206, App |
| C 459 | 19 | 76.0 | 66804 | 4 | US-09-740-041-3 | Sequence 3, Appl1 | C 532 | 18 | 72.0 | 798 | 4 | US-09-288-143-21 | Sequence 21, Appl1 |
| C 460 | 19 | 76.0 | 66804 | 4 | US-09-740-041-3 | Sequence 3, Appl1 | C 533 | 18 | 72.0 | 1334 | 2 | US-08-481-658B-44 | Sequence 44, Appl1 |
| C 461 | 19 | 76.0 | 70000 | 4 | US-09-851-896-3 | Sequence 3, Appl1 | C 534 | 18 | 72.0 | 1334 | 2 | US-08-477-504A-44 | Sequence 44, Appl1 |
| C 462 | 19 | 76.0 | 70000 | 4 | US-09-851-896-3 | Sequence 3, Appl1 | C 535 | 18 | 72.0 | 1334 | 2 | US-08-486-756A-44 | Sequence 44, Appl1 |
| C 463 | 19 | 76.0 | 72604 | 4 | US-09-268-992-7 | Sequence 7, Appl1 | C 536 | 18 | 72.0 | 1334 | 2 | US-08-485-862B-44 | Sequence 44, Appl1 |
| C 464 | 19 | 76.0 | 72604 | 4 | US-09-268-992-7 | Sequence 7, Appl1 | C 537 | 18 | 72.0 | 1334 | 3 | US-08-787-739-44 | Sequence 44, Appl1 |
| C 465 | 19 | 76.0 | 72604 | 4 | US-09-657-474-7 | Sequence 7, Appl1 | C 538 | 18 | 72.0 | 1334 | 3 | US-08-487-077A-44 | Sequence 44, Appl1 |

| | | | | | | | | | | | | | |
|-----|----|------|--------|---|--------------------|-------------------|-------|----|------|------|---|---------------------|-------------------|
| 539 | 18 | 72.0 | 1334 | 3 | US-08-485-863A-44 | Sequence 44, Appl | C 612 | 17 | 68.0 | 292 | 3 | US-08-485-049D-59 | Sequence 59, Appl |
| 540 | 18 | 72.0 | 1334 | 3 | US-08-485-049D-44 | Sequence 44, Appl | C 613 | 17 | 68.0 | 292 | 3 | US-09-178-115-56 | Sequence 56, Appl |
| 541 | 18 | 72.0 | 1334 | 3 | US-09-178-115-44 | Sequence 44, Appl | C 614 | 17 | 68.0 | 292 | 3 | US-09-178-115-59 | Sequence 59, Appl |
| 542 | 18 | 72.0 | 1334 | 3 | US-09-177-776-44 | Sequence 44, Appl | C 615 | 17 | 68.0 | 292 | 3 | US-09-177-776-56 | Sequence 56, Appl |
| 543 | 18 | 72.0 | 1491 | 4 | US-09-461-325-22 | Sequence 22, Appl | C 616 | 17 | 68.0 | 292 | 3 | US-09-177-776-59 | Sequence 59, Appl |
| 544 | 18 | 72.0 | 1681 | 4 | US-09-389-681-180 | Sequence 180, App | C 617 | 17 | 68.0 | 320 | 1 | US-08-629-933-5 | Sequence 5, Appl |
| 545 | 18 | 72.0 | 1681 | 4 | US-09-620-4058-180 | Sequence 180, App | C 618 | 17 | 68.0 | 320 | 1 | US-08-759-877-5 | Sequence 5, Appl |
| 546 | 18 | 72.0 | 1681 | 4 | US-09-339-338-180 | Sequence 180, App | C 619 | 17 | 68.0 | 345 | 3 | US-09-385-982-145 | Sequence 145, App |
| 547 | 18 | 72.0 | 1681 | 4 | US-09-433-8268-180 | Sequence 180, App | C 620 | 17 | 68.0 | 421 | 2 | US-08-332-766A-25 | Sequence 25, Appl |
| 548 | 18 | 72.0 | 1681 | 4 | US-09-604-2878-180 | Sequence 180, App | C 621 | 17 | 68.0 | 471 | 3 | US-09-018-584A-6 | Sequence 6, Appl |
| 549 | 18 | 72.0 | 1856 | 1 | US-08-157-171-3 | Sequence 3, Appl | C 622 | 17 | 68.0 | 498 | 3 | US-09-085-199B-36 | Sequence 36, Appl |
| 550 | 18 | 72.0 | 1856 | 1 | US-09-050-159-128 | Sequence 128, App | C 623 | 17 | 68.0 | 571 | 4 | US-09-495-050A-44 | Sequence 44, Appl |
| 551 | 18 | 72.0 | 2630 | 4 | US-09-962-665-13 | Sequence 13, Appl | C 624 | 17 | 68.0 | 578 | 3 | US-09-385-982-11 | Sequence 11, Appl |
| 552 | 18 | 72.0 | 2743 | 1 | US-08-317-707-1 | Sequence 1, Appl | C 625 | 17 | 68.0 | 584 | 4 | US-09-495-050A-99 | Sequence 99, Appl |
| 553 | 18 | 72.0 | 3001 | 4 | US-09-539-333D-197 | Sequence 197, App | C 626 | 17 | 68.0 | 601 | 4 | US-09-814-951A-14 | Sequence 14, Appl |
| 554 | 18 | 72.0 | 3433 | 4 | US-09-820-924-1 | Sequence 1, Appl | C 627 | 17 | 68.0 | 602 | 3 | US-09-078-294-27 | Sequence 27, Appl |
| 555 | 18 | 72.0 | 4080 | 2 | US-08-710-249-3 | Sequence 3, Appl | C 628 | 17 | 68.0 | 631 | 3 | US-09-385-982-354 | Sequence 354, App |
| 556 | 18 | 72.0 | 4080 | 2 | US-09-220-157A-3 | Sequence 3, Appl | C 629 | 17 | 68.0 | 654 | 4 | US-09-288-143-37 | Sequence 37, Appl |
| 557 | 18 | 72.0 | 5420 | 6 | 5256642-3 | Sequence 3, Appl | C 630 | 17 | 68.0 | 698 | 4 | US-09-740-235-14 | Sequence 14, Appl |
| 558 | 18 | 72.0 | 5420 | 6 | 5472939-3 | Sequence 3, Appl | C 631 | 17 | 68.0 | 722 | 4 | US-09-227-357-112 | Sequence 112, App |
| 559 | 18 | 72.0 | 5543 | 2 | US-08-687-080-101 | Sequence 101, App | C 632 | 17 | 68.0 | 725 | 4 | US-09-328-475C-329 | Sequence 329, App |
| 560 | 18 | 72.0 | 5835 | 4 | US-09-033-333-3 | Sequence 3, Appl | C 633 | 17 | 68.0 | 747 | 4 | US-09-328-475C-328 | Sequence 328, App |
| 561 | 18 | 72.0 | 5835 | 4 | US-09-033-333-3 | Sequence 3, Appl | C 634 | 17 | 68.0 | 990 | 4 | US-09-641-638-277 | Sequence 277, App |
| 562 | 18 | 72.0 | 5835 | 4 | US-09-614-496-2 | Sequence 2, Appl | C 635 | 17 | 68.0 | 1000 | 3 | US-09-018-584B-34 | Sequence 34, Appl |
| 563 | 18 | 72.0 | 5835 | 4 | US-08-380-916-1 | Sequence 1, Appl | C 636 | 17 | 68.0 | 1000 | 3 | US-09-199-542B-108 | Sequence 108, App |
| 564 | 18 | 72.0 | 5836 | 1 | US-08-721-690-1 | Sequence 1, Appl | C 637 | 17 | 68.0 | 1001 | 4 | US-09-641-638-268 | Sequence 268, App |
| 565 | 18 | 72.0 | 5836 | 3 | US-08-891-581-1 | Sequence 1, Appl | C 638 | 17 | 68.0 | 1001 | 4 | US-09-641-638-354 | Sequence 354, App |
| 566 | 18 | 72.0 | 5836 | 3 | US-09-033-333-2 | Sequence 2, Appl | C 639 | 17 | 68.0 | 1001 | 4 | US-09-641-638-455 | Sequence 455, App |
| 567 | 18 | 72.0 | 5836 | 4 | US-09-033-556-1 | Sequence 1, Appl | C 640 | 17 | 68.0 | 1002 | 4 | US-09-671-317-223 | Sequence 223, App |
| 568 | 18 | 72.0 | 5836 | 4 | US-09-614-495-2 | Sequence 2, Appl | C 641 | 17 | 68.0 | 1002 | 4 | US-09-641-638-581 | Sequence 581, App |
| 569 | 18 | 72.0 | 5836 | 4 | US-09-614-495-2 | Sequence 2, Appl | C 642 | 17 | 68.0 | 1152 | 3 | US-09-016-434-1225 | Sequence 1225, Ap |
| 570 | 18 | 72.0 | 5836 | 4 | US-09-74-699-9 | Sequence 9, Appl | C 643 | 17 | 68.0 | 1267 | 4 | US-09-305-384-7 | Sequence 7, Appl |
| 571 | 18 | 72.0 | 6951 | 6 | 5256642-1 | Sequence 9, Appl | C 644 | 17 | 68.0 | 1268 | 4 | US-09-369-247-42 | Sequence 42, Appl |
| 572 | 18 | 72.0 | 7130 | 6 | 5472939-1 | Sequence 31, Appl | C 645 | 17 | 68.0 | 1294 | 4 | US-09-461-325-18 | Sequence 18, Appl |
| 573 | 18 | 72.0 | 7233 | 4 | US-09-056-105-31 | Sequence 259, App | C 646 | 17 | 68.0 | 1294 | 4 | US-09-904-615-26 | Sequence 26, Appl |
| 574 | 18 | 72.0 | 7680 | 4 | US-09-610-748A-3 | Sequence 3, Appl | C 647 | 17 | 68.0 | 1311 | 2 | US-09-620-312D-122 | Sequence 322, App |
| 575 | 18 | 72.0 | 10380 | 3 | US-09-077-354B-3 | Sequence 3, Appl | C 648 | 17 | 68.0 | 1318 | 2 | US-08-439-814-3 | Sequence 3, Appl |
| 576 | 18 | 72.0 | 10898 | 2 | US-08-481-658B-5 | Sequence 5, Appl | C 649 | 17 | 68.0 | 1610 | 4 | US-09-620-312D-1049 | Sequence 1049, Ap |
| 577 | 18 | 72.0 | 10898 | 2 | US-08-477-504A-5 | Sequence 5, Appl | C 650 | 17 | 68.0 | 1645 | 2 | US-08-724-394A-14 | Sequence 14, Appl |
| 578 | 18 | 72.0 | 10898 | 2 | US-08-486-756A-5 | Sequence 5, Appl | C 651 | 17 | 68.0 | 1677 | 4 | US-09-483-272-65 | Sequence 65, Appl |
| 579 | 18 | 72.0 | 10898 | 2 | US-08-485-862B-5 | Sequence 5, Appl | C 652 | 17 | 68.0 | 1688 | 2 | US-08-439-814-2 | Sequence 2, Appl |
| 580 | 18 | 72.0 | 10898 | 2 | US-08-787-739-5 | Sequence 5, Appl | C 653 | 17 | 68.0 | 1712 | 3 | US-09-058-389A-12 | Sequence 12, Appl |
| 581 | 18 | 72.0 | 10898 | 3 | US-08-487-077A-5 | Sequence 5, Appl | C 654 | 17 | 68.0 | 1751 | 4 | US-09-611-781-12 | Sequence 12, Appl |
| 582 | 18 | 72.0 | 10898 | 3 | US-08-485-863A-5 | Sequence 5, Appl | C 655 | 17 | 68.0 | 2090 | 2 | US-09-149-476-110 | Sequence 110, App |
| 583 | 18 | 72.0 | 10898 | 3 | US-08-485-049D-5 | Sequence 5, Appl | C 656 | 17 | 68.0 | 2099 | 3 | US-08-439-814-1 | Sequence 1, Appl |
| 584 | 18 | 72.0 | 10898 | 3 | US-09-178-115-5 | Sequence 5, Appl | C 657 | 17 | 68.0 | 2099 | 3 | US-08-938-666A-5 | Sequence 5, Appl |
| 585 | 18 | 72.0 | 10898 | 3 | US-09-177-776-5 | Sequence 5, Appl | C 658 | 17 | 68.0 | 2099 | 3 | US-09-306-82A-5 | Sequence 5, Appl |
| 586 | 18 | 72.0 | 40328 | 3 | US-08-742-185-102 | Sequence 102, App | C 659 | 17 | 68.0 | 2236 | 3 | US-08-829-528-23 | Sequence 23, Appl |
| 587 | 18 | 72.0 | 40352 | 4 | US-08-846-111D-15 | Sequence 15, Appl | C 660 | 17 | 68.0 | 2236 | 3 | US-08-609-582A-23 | Sequence 23, Appl |
| 588 | 18 | 72.0 | 40352 | 4 | US-09-443-077-15 | Sequence 15, Appl | C 661 | 17 | 68.0 | 2236 | 3 | US-08-937-399-23 | Sequence 23, Appl |
| 589 | 18 | 72.0 | 41684 | 4 | US-09-536-059-1 | Sequence 1, Appl | C 662 | 17 | 68.0 | 2236 | 4 | US-09-310-367-23 | Sequence 23, Appl |
| 590 | 18 | 72.0 | 43795 | 3 | US-08-742-185-101 | Sequence 101, App | C 663 | 17 | 68.0 | 2236 | 4 | US-09-032-337-23 | Sequence 23, Appl |
| 591 | 18 | 72.0 | 43795 | 3 | US-08-742-185-101 | Sequence 101, App | C 664 | 17 | 68.0 | 2236 | 4 | US-09-464-231-23 | Sequence 23, Appl |
| 592 | 18 | 72.0 | 81001 | 4 | US-09-750-580-1 | Sequence 1, Appl | C 665 | 17 | 68.0 | 2343 | 2 | US-09-031-392-1 | Sequence 1, Appl |
| 593 | 18 | 72.0 | 148567 | 4 | US-09-801-876B-3 | Sequence 3, Appl | C 666 | 17 | 68.0 | 2343 | 4 | US-09-299-549-1 | Sequence 1, Appl |
| 594 | 18 | 72.0 | 197496 | 4 | US-09-877-177A-10 | Sequence 10, Appl | C 667 | 17 | 68.0 | 2343 | 4 | US-09-610-417-1 | Sequence 1, Appl |
| 595 | 17 | 68.0 | 26 | 4 | US-09-387-300-27 | Sequence 27, Appl | C 668 | 17 | 68.0 | 2501 | 3 | US-08-787-739-58 | Sequence 58, Appl |
| 596 | 17 | 68.0 | 42 | 4 | US-09-387-300-24 | Sequence 24, Appl | C 669 | 17 | 68.0 | 2501 | 3 | US-09-178-115-58 | Sequence 58, Appl |
| 597 | 17 | 68.0 | 177 | 2 | US-08-849-701-6 | Sequence 6, Appl | C 670 | 17 | 68.0 | 2501 | 3 | US-09-177-776-58 | Sequence 58, Appl |
| 598 | 17 | 68.0 | 292 | 2 | US-08-881-658B-56 | Sequence 56, Appl | C 671 | 17 | 68.0 | 2552 | 4 | US-09-482-273-20 | Sequence 20, Appl |
| 599 | 17 | 68.0 | 292 | 2 | US-08-881-658B-59 | Sequence 59, Appl | C 672 | 17 | 68.0 | 2559 | 2 | US-08-724-774B-3 | Sequence 3, Appl |
| 600 | 17 | 68.0 | 292 | 2 | US-08-877-504A-56 | Sequence 56, Appl | C 673 | 17 | 68.0 | 2559 | 3 | US-09-089-595-3 | Sequence 3, Appl |
| 601 | 17 | 68.0 | 292 | 2 | US-08-477-504A-59 | Sequence 59, Appl | C 674 | 17 | 68.0 | 2559 | 3 | US-09-389-855-3 | Sequence 3, Appl |
| 602 | 17 | 68.0 | 292 | 2 | US-08-486-756A-56 | Sequence 56, Appl | C 675 | 17 | 68.0 | 2559 | 3 | US-09-189-714B-3 | Sequence 3, Appl |
| 603 | 17 | 68.0 | 292 | 2 | US-08-486-756A-59 | Sequence 59, Appl | C 676 | 17 | 68.0 | 2559 | 4 | US-09-644-281-3 | Sequence 3, Appl |
| 604 | 17 | 68.0 | 292 | 2 | US-08-885-862B-56 | Sequence 56, Appl | C 677 | 17 | 68.0 | 2559 | 4 | US-09-589-717-3 | Sequence 3, Appl |
| 605 | 17 | 68.0 | 292 | 2 | US-08-885-862B-59 | Sequence 59, Appl | C 678 | 17 | 68.0 | 2892 | 2 | US-09-218-363-1 | Sequence 1, Appl |
| 606 | 17 | 68.0 | 292 | 3 | US-08-787-739-56 | Sequence 56, Appl | C 679 | 17 | 68.0 | 2908 | 3 | US-08-874-186-44 | Sequence 44, Appl |
| 607 | 17 | 68.0 | 292 | 3 | US-08-787-739-59 | Sequence 59, Appl | C 680 | 17 | 68.0 | 3011 | 1 | US-08-487-799-1 | Sequence 1, Appl |
| 608 | 17 | 68.0 | 292 | 3 | US-08-487-077A-56 | Sequence 56, Appl | C 681 | 17 | 68.0 | 3011 | 4 | US-07-821-716-1 | Sequence 1, Appl |
| 609 | 17 | 68.0 | 292 | 3 | US-08-487-077A-59 | Sequence 59, Appl | C 682 | 17 | 68.0 | 3011 | 4 | US-08-406-824A-5 | Sequence 5, Appl |
| 610 | 17 | 68.0 | 292 | 3 | US-08-885-863A-56 | Sequence 56, Appl | C 683 | 17 | 68.0 | 3267 | 2 | US-09-780-016-27 | Sequence 27, Appl |
| 611 | 17 | 68.0 | 292 | 3 | US-08-485-863A-59 | Sequence 59, Appl | C 684 | 17 | 68.0 | 3267 | 2 | US-08-257-963B-12 | Sequence 12, Appl |

| | | | | | | | | | | | | | |
|-------|----|------|-------|---|--------------------|--------------------|-------|----|------|--------|---|--------------------|--------------------|
| C 685 | 17 | 68.0 | 3267 | 4 | US-08-367-841A-12 | Sequence 12, Appl | 758 | 17 | 68.0 | 11613 | 1 | US-08-484-044-10 | Sequence 10, Appl |
| C 686 | 17 | 68.0 | 3267 | 5 | PCT-US95-07201-12 | Sequence 12, Appl | C 759 | 17 | 68.0 | 11970 | 2 | US-09-645-217-1 | Sequence 1, Appl |
| C 687 | 17 | 68.0 | 3286 | 3 | US-09-211-417-2 | Sequence 2, Appl | C 760 | 17 | 68.0 | 13158 | 2 | US-08-687-080-105 | Sequence 105, App |
| C 688 | 17 | 68.0 | 3366 | 4 | US-09-345-650-2 | Sequence 2, Appl | C 761 | 17 | 68.0 | 13205 | 4 | US-09-835-811-3 | Sequence 3, Appl |
| C 689 | 17 | 68.0 | 3494 | 3 | US-09-334-601-5 | Sequence 5, Appl | C 762 | 17 | 68.0 | 13674 | 2 | US-08-852-807-1 | Sequence 1, Appl |
| C 690 | 17 | 68.0 | 3532 | 3 | US-08-787-739-90 | Sequence 90, Appl | C 763 | 17 | 68.0 | 14747 | 4 | US-09-608-285A-42 | Sequence 42, Appl |
| C 691 | 17 | 68.0 | 3532 | 3 | US-09-178-115-90 | Sequence 90, Appl | C 764 | 17 | 68.0 | 14747 | 4 | US-09-557-800C-42 | Sequence 42, Appl |
| C 692 | 17 | 68.0 | 3532 | 3 | US-09-177-776-90 | Sequence 90, Appl | C 765 | 17 | 68.0 | 15788 | 4 | US-09-920-759-13 | Sequence 13, Appl |
| C 693 | 17 | 68.0 | 3609 | 4 | US-09-705-299-11 | Sequence 11, Appl | C 766 | 17 | 68.0 | 15977 | 4 | US-09-608-285A-59 | Sequence 59, Appl |
| C 694 | 17 | 68.0 | 3742 | 1 | US-08-694-915-5 | Sequence 5, Appl | C 767 | 17 | 68.0 | 17138 | 3 | US-09-813-819-3 | Sequence 3, Appl |
| C 695 | 17 | 68.0 | 3805 | 4 | US-09-108-006C-3 | Sequence 3, Appl | C 768 | 17 | 68.0 | 17138 | 3 | US-09-820-048-3 | Sequence 3, Appl |
| C 696 | 17 | 68.0 | 4079 | 4 | US-09-016-434-1219 | Sequence 1219, Ap | C 769 | 17 | 68.0 | 17949 | 3 | US-09-087-465-3 | Sequence 3, Appl |
| C 697 | 17 | 68.0 | 4326 | 2 | US-08-852-807-12 | Sequence 12, Appl | C 770 | 17 | 68.0 | 18000 | 4 | US-09-657-346A-17 | Sequence 17, Appl |
| C 698 | 17 | 68.0 | 4517 | 5 | PCT-US93-06251-83 | Sequence 83, Appl | C 771 | 17 | 68.0 | 18073 | 3 | US-09-078-294-12 | Sequence 12, Appl |
| C 699 | 17 | 68.0 | 4895 | 3 | US-09-053-866-1 | Sequence 1, Appl | C 772 | 17 | 68.0 | 19736 | 4 | US-09-078-294-12 | Sequence 3, Appl |
| C 700 | 17 | 68.0 | 4895 | 4 | US-09-479-130-1 | Sequence 1, Appl | C 773 | 17 | 68.0 | 20137 | 3 | US-09-740-035-3 | Sequence 3, Appl |
| C 701 | 17 | 68.0 | 4895 | 4 | US-09-472-130A-1 | Sequence 1, Appl | C 774 | 17 | 68.0 | 20138 | 3 | US-09-662-773-206 | Sequence 206, App |
| C 702 | 17 | 68.0 | 5095 | 1 | US-08-092-817-3 | Sequence 3, Appl | C 775 | 17 | 68.0 | 22481 | 4 | US-08-367-841A-43 | Sequence 9, Appl |
| C 703 | 17 | 68.0 | 5095 | 4 | US-08-485-128-3 | Sequence 3, Appl | C 776 | 17 | 68.0 | 22481 | 5 | PCT-US95-07201-43 | Sequence 43, Appl |
| C 704 | 17 | 68.0 | 5232 | 3 | US-09-212-971-3 | Sequence 3, Appl | C 777 | 17 | 68.0 | 22484 | 4 | US-09-875-223-2 | Sequence 2, Appl |
| C 705 | 17 | 68.0 | 5232 | 3 | US-08-800-929A-3 | Sequence 3, Appl | C 778 | 17 | 68.0 | 23071 | 3 | US-09-262-773-210 | Sequence 210, App |
| C 706 | 17 | 68.0 | 5232 | 4 | US-09-617-053A-3 | Sequence 3, Appl | C 779 | 17 | 68.0 | 23187 | 4 | US-09-499-522-1 | Sequence 1, Appl |
| C 707 | 17 | 68.0 | 5375 | 4 | US-08-757-323-7 | Sequence 7, Appl | C 780 | 17 | 68.0 | 24979 | 2 | US-08-147-777-3 | Sequence 3, Appl |
| C 708 | 17 | 68.0 | 5468 | 4 | US-09-220-132-140 | Sequence 140, App | C 781 | 17 | 68.0 | 24979 | 3 | US-08-452-872-3 | Sequence 3, Appl |
| C 709 | 17 | 68.0 | 5470 | 1 | US-08-441-139-12 | Sequence 12, Appl | C 782 | 17 | 68.0 | 24979 | 5 | PCT-US93-03985-3 | Sequence 3, Appl |
| C 710 | 17 | 68.0 | 5470 | 6 | 5196523-5 | Patent No. 5196523 | C 783 | 17 | 68.0 | 28994 | 4 | US-08-884-324-14 | Sequence 14, Appl |
| C 711 | 17 | 68.0 | 5543 | 2 | US-08-687-080-101 | Sequence 101, App | C 784 | 17 | 68.0 | 31208 | 4 | US-09-852-067-3 | Sequence 3, Appl |
| C 712 | 17 | 68.0 | 5590 | 3 | US-09-050-159-129 | Sequence 129, App | C 785 | 17 | 68.0 | 35060 | 4 | US-08-814-095-7 | Sequence 7, Appl |
| C 713 | 17 | 68.0 | 5761 | 4 | US-09-333-472A-1 | Sequence 1, Appl | C 786 | 17 | 68.0 | 38844 | 3 | US-09-734-675-5 | Sequence 3, Appl |
| C 714 | 17 | 68.0 | 5761 | 4 | US-09-333-472A-3 | Sequence 3, Appl | C 787 | 17 | 68.0 | 44453 | 4 | US-09-146-053-5 | Sequence 5, Appl |
| C 715 | 17 | 68.0 | 5761 | 4 | US-09-333-472A-11 | Sequence 11, Appl | C 788 | 17 | 68.0 | 53332 | 4 | US-09-801-861-3 | Sequence 3, Appl |
| C 716 | 17 | 68.0 | 5761 | 4 | US-09-333-472A-13 | Sequence 13, Appl | C 789 | 17 | 68.0 | 53526 | 3 | US-08-658-136-2 | Sequence 2, Appl |
| C 717 | 17 | 68.0 | 6063 | 4 | US-08-195-744-4 | Sequence 4, Appl | C 790 | 17 | 68.0 | 53577 | 3 | US-08-658-136-1 | Sequence 1, Appl |
| C 718 | 17 | 68.0 | 6063 | 2 | US-08-788-279-4 | Sequence 4, Appl | C 791 | 17 | 68.0 | 59065 | 4 | US-09-813-817-3 | Sequence 3, Appl |
| C 719 | 17 | 68.0 | 6354 | 3 | US-09-058-389A-5 | Sequence 5, Appl | C 792 | 17 | 68.0 | 59065 | 4 | US-09-978-197-3 | Sequence 3, Appl |
| C 720 | 17 | 68.0 | 6354 | 4 | US-09-611-781-5 | Sequence 5, Appl | C 793 | 17 | 68.0 | 64467 | 4 | US-09-803-671B-3 | Sequence 3, Appl |
| C 721 | 17 | 68.0 | 6405 | 4 | US-09-281-481A-18 | Sequence 18, Appl | C 794 | 17 | 68.0 | 111282 | 4 | US-09-754-250-3 | Sequence 3, Appl |
| C 722 | 17 | 68.0 | 6719 | 4 | US-09-740-235-36 | Sequence 36, Appl | C 795 | 17 | 68.0 | 169998 | 4 | US-09-676-610B-24 | Sequence 24, Appl |
| C 723 | 17 | 68.0 | 6769 | 1 | US-08-480-784-20 | Sequence 20, Appl | C 796 | 17 | 68.0 | 202001 | 4 | US-09-734-674-3 | Sequence 3, Appl |
| C 724 | 17 | 68.0 | 6769 | 1 | US-08-483-553-20 | Sequence 20, Appl | C 797 | 17 | 68.0 | 202001 | 4 | US-09-734-674-3 | Sequence 3, Appl |
| C 725 | 17 | 68.0 | 6769 | 1 | US-08-487-002-20 | Sequence 20, Appl | C 798 | 16 | 64.0 | 240 | 1 | US-08-322-177A-30 | Sequence 30, Appl |
| C 726 | 17 | 68.0 | 6769 | 1 | US-08-483-554B-20 | Sequence 20, Appl | C 799 | 16 | 64.0 | 260 | 4 | US-09-702-705-1208 | Sequence 1208, Ap |
| C 727 | 17 | 68.0 | 6769 | 1 | US-08-488-011B-20 | Sequence 20, Appl | C 800 | 16 | 64.0 | 260 | 4 | US-09-702-705-1208 | Sequence 1208, App |
| C 728 | 17 | 68.0 | 6769 | 3 | US-08-850-727-50 | Sequence 50, Appl | C 801 | 16 | 64.0 | 456 | 4 | US-09-227-357-110 | Sequence 110, App |
| C 729 | 17 | 68.0 | 6769 | 5 | PCT-US95-10202-20 | Sequence 20, Appl | C 802 | 16 | 64.0 | 618 | 3 | US-09-385-982-1 | Sequence 1, Appl |
| C 730 | 17 | 68.0 | 6769 | 5 | PCT-US95-10203-20 | Sequence 20, Appl | C 803 | 16 | 64.0 | 629 | 3 | US-09-385-982-204 | Sequence 204, App |
| C 731 | 17 | 68.0 | 6769 | 5 | PCT-US95-10220-20 | Sequence 20, Appl | C 804 | 16 | 64.0 | 637 | 4 | US-08-545-196B-23 | Sequence 23, Appl |
| C 732 | 17 | 68.0 | 7210 | 2 | US-08-257-963B-10 | Sequence 10, Appl | C 805 | 16 | 64.0 | 949 | 4 | US-09-247-155-148 | Sequence 148, App |
| C 733 | 17 | 68.0 | 7210 | 4 | US-08-367-841A-10 | Sequence 10, Appl | C 806 | 16 | 64.0 | 1001 | 4 | US-09-641-638-448 | Sequence 448, App |
| C 734 | 17 | 68.0 | 7210 | 5 | PCT-US95-07201-10 | Sequence 10, Appl | C 807 | 16 | 64.0 | 1003 | 2 | US-08-967-101-151 | Sequence 151, App |
| C 735 | 17 | 68.0 | 7720 | 3 | US-09-318-448-5 | Sequence 5, Appl | C 808 | 16 | 64.0 | 1003 | 2 | US-08-592-541-151 | Sequence 151, App |
| C 736 | 17 | 68.0 | 8174 | 1 | US-07-914-281-5 | Sequence 5, Appl | C 809 | 16 | 64.0 | 1003 | 3 | US-08-888-077A-14 | Sequence 14, Appl |
| C 737 | 17 | 68.0 | 8174 | 1 | US-08-393-246-5 | Sequence 5, Appl | C 810 | 16 | 64.0 | 1003 | 3 | US-09-124-698A-151 | Sequence 151, App |
| C 738 | 17 | 68.0 | 8174 | 1 | US-08-525-058A-5 | Sequence 5, Appl | C 811 | 16 | 64.0 | 1003 | 3 | US-09-127-480-151 | Sequence 151, App |
| C 739 | 17 | 68.0 | 8174 | 2 | US-08-696-731-5 | Sequence 5, Appl | C 812 | 16 | 64.0 | 1003 | 3 | US-08-496-841C-151 | Sequence 151, App |
| C 740 | 17 | 68.0 | 8174 | 3 | US-09-042-531-5 | Sequence 5, Appl | C 813 | 16 | 64.0 | 1003 | 4 | US-09-124-523-151 | Sequence 151, App |
| C 741 | 17 | 68.0 | 8174 | 5 | PCT-US91-00899-3 | Sequence 3, Appl | C 814 | 16 | 64.0 | 1574 | 4 | US-09-636-796A-151 | Sequence 151, App |
| C 742 | 17 | 68.0 | 8220 | 4 | US-09-797-008-3 | Sequence 3, Appl | C 815 | 16 | 64.0 | 1574 | 4 | US-09-189-527-10 | Sequence 10, Appl |
| C 743 | 17 | 68.0 | 8224 | 2 | US-09-010-398-14 | Sequence 14, Appl | C 816 | 16 | 64.0 | 1600 | 2 | US-08-487-113D-117 | Sequence 117, App |
| C 744 | 17 | 68.0 | 8224 | 3 | US-09-366-260-14 | Sequence 14, Appl | C 817 | 16 | 64.0 | 1600 | 2 | US-08-487-113D-117 | Sequence 117, App |
| C 745 | 17 | 68.0 | 8342 | 3 | US-08-545-860D-63 | Sequence 63, Appl | C 818 | 16 | 64.0 | 1856 | 1 | US-08-157-171-3 | Sequence 3, Appl |
| C 746 | 17 | 68.0 | 8342 | 5 | PCT-US94-04496-63 | Sequence 63, Appl | C 819 | 16 | 64.0 | 1856 | 4 | US-09-050-159-128 | Sequence 128, App |
| C 747 | 17 | 68.0 | 8371 | 1 | US-08-080-255-6 | Sequence 6, Appl | C 820 | 16 | 64.0 | 1990 | 4 | US-09-620-312D-442 | Sequence 442, App |
| C 748 | 17 | 68.0 | 8392 | 1 | US-09-065-027-1 | Sequence 6, Appl | C 821 | 16 | 64.0 | 2203 | 4 | US-09-801-861-1 | Sequence 1, Appl |
| C 749 | 17 | 68.0 | 8392 | 3 | US-08-465-713-6 | Sequence 6, Appl | C 822 | 16 | 64.0 | 2265 | 4 | US-09-620-312D-582 | Sequence 582, App |
| C 750 | 17 | 68.0 | 8392 | 5 | PCT-US93-05857-6 | Sequence 6, Appl | C 823 | 16 | 64.0 | 2447 | 3 | US-08-387-707-12 | Sequence 12, Appl |
| C 751 | 17 | 68.0 | 8835 | 3 | US-08-884-324-10 | Sequence 10, Appl | C 824 | 16 | 64.0 | 2447 | 4 | US-08-405-277A-12 | Sequence 12, Appl |
| C 752 | 17 | 68.0 | 9365 | 4 | US-09-608-285A-8 | Sequence 8, Appl | C 825 | 16 | 64.0 | 2598 | 4 | US-09-026-033-18 | Sequence 18, Appl |
| C 753 | 17 | 68.0 | 9365 | 4 | US-09-350-836B-8 | Sequence 8, Appl | C 826 | 16 | 64.0 | 2813 | 4 | US-09-689-255C-3 | Sequence 3, Appl |
| C 754 | 17 | 68.0 | 9365 | 4 | US-09-370-265-8 | Sequence 8, Appl | C 827 | 16 | 64.0 | 2886 | 2 | US-08-687-080-55 | Sequence 55, Appl |
| C 755 | 17 | 68.0 | 9365 | 4 | US-09-557-800C-8 | Sequence 8, Appl | C 828 | 16 | 64.0 | 2895 | 2 | US-08-795-923-1 | Sequence 1, Appl |
| C 756 | 17 | 68.0 | 9704 | 4 | US-09-814-851A-3 | Sequence 3, Appl | C 829 | 16 | 64.0 | 3319 | 3 | US-08-795-923B-2 | Sequence 2, Appl |
| C 757 | 17 | 68.0 | 10684 | 3 | US-08-618-100B-3 | Sequence 3, Appl | C 830 | 16 | 64.0 | 3319 | 4 | US-09-439-856-2 | Sequence 2, Appl |

| | | | | | | | | | | | | | |
|-------|----|------|-------|---|--------------------|-------------------|-----|----|------|-------|---|--------------------|-------------------|
| C 831 | 16 | 64.0 | 3441 | 4 | US-09-026-033-17 | Sequence 17, App1 | 904 | 15 | 60.0 | 10825 | 3 | US-09-503-444A-1 | Sequence 1, App1 |
| C 832 | 16 | 64.0 | 4192 | 4 | US-09-122-126B-1 | Sequence 1, App1 | 905 | 15 | 60.0 | 10825 | 3 | US-09-503-444A-3 | Sequence 3, App1 |
| C 833 | 16 | 64.0 | 4192 | 4 | US-09-634-286A-1 | Sequence 1, App1 | 906 | 15 | 60.0 | 10825 | 3 | US-09-503-444A-5 | Sequence 5, App1 |
| C 834 | 16 | 64.0 | 4576 | 1 | US-08-832-883-49 | Sequence 49, App1 | 907 | 15 | 60.0 | 10825 | 3 | US-09-503-444A-7 | Sequence 7, App1 |
| C 835 | 16 | 64.0 | 4576 | 2 | US-08-832-877-49 | Sequence 49, App1 | 908 | 15 | 60.0 | 12146 | 4 | US-09-277-457-27 | Sequence 27, App1 |
| C 836 | 16 | 64.0 | 4638 | 4 | US-09-439-261-34 | Sequence 34, App1 | 909 | 15 | 60.0 | 12146 | 4 | US-09-679-729-27 | Sequence 27, App1 |
| C 837 | 16 | 64.0 | 4638 | 4 | US-09-227-613-33 | Sequence 33, App1 | 910 | 15 | 60.0 | 14753 | 4 | US-08-821-736-3 | Sequence 3, App1 |
| C 838 | 16 | 64.0 | 6987 | 4 | US-09-026-033-3 | Sequence 3, App1 | 911 | 15 | 60.0 | 14753 | 4 | US-08-076-011-1 | Sequence 1, App1 |
| C 839 | 16 | 64.0 | 6990 | 4 | US-09-026-033-23 | Sequence 23, App1 | 912 | 15 | 60.0 | 20598 | 4 | US-09-593-999-15 | Sequence 15, App1 |
| C 840 | 16 | 64.0 | 8133 | 4 | US-09-659-791A-10 | Sequence 10, App1 | 913 | 15 | 60.0 | 20674 | 4 | US-09-641-638-651 | Sequence 10, App1 |
| C 841 | 16 | 64.0 | 8133 | 4 | US-09-659-791A-10 | Sequence 10, App1 | 914 | 15 | 60.0 | 20 | 4 | US-09-060-299-286 | Sequence 286, App |
| C 842 | 16 | 64.0 | 9704 | 4 | US-09-814-951A-3 | Sequence 3, App1 | 915 | 14 | 56.0 | 20 | 4 | US-09-402-922A-286 | Sequence 286, App |
| C 843 | 16 | 64.0 | 10380 | 3 | US-09-077-354B-3 | Sequence 3, App1 | 916 | 14 | 56.0 | 22 | 4 | US-09-918-686-88 | Sequence 88, App1 |
| C 844 | 16 | 64.0 | 10642 | 4 | US-09-934-551-3 | Sequence 3, App1 | 917 | 14 | 56.0 | 29 | 4 | US-09-304-233-862 | Sequence 862, App |
| C 845 | 16 | 64.0 | 12394 | 4 | US-09-488-856A-10 | Sequence 10, App1 | 918 | 14 | 56.0 | 37 | 3 | US-09-056-762-9 | Sequence 9, App1 |
| C 846 | 16 | 64.0 | 12482 | 4 | US-09-512-563C-25 | Sequence 25, App1 | 919 | 14 | 56.0 | 40 | 4 | US-09-060-299-287 | Sequence 287, App |
| C 847 | 16 | 64.0 | 12597 | 4 | US-09-705-299-12 | Sequence 12, App1 | 920 | 14 | 56.0 | 40 | 4 | US-09-402-922A-287 | Sequence 287, App |
| C 848 | 16 | 64.0 | 13104 | 3 | US-08-256-799-4 | Sequence 4, App1 | 921 | 14 | 56.0 | 60 | 2 | US-08-454-557C-66 | Sequence 66, App1 |
| C 849 | 16 | 64.0 | 13104 | 3 | US-08-462-437-4 | Sequence 4, App1 | 922 | 14 | 56.0 | 60 | 2 | US-08-340-428D-66 | Sequence 66, App1 |
| C 850 | 16 | 64.0 | 13205 | 4 | US-09-835-811-3 | Sequence 3, App1 | 923 | 14 | 56.0 | 60 | 2 | US-08-450-673C-66 | Sequence 66, App1 |
| C 851 | 16 | 64.0 | 13865 | 3 | US-09-009-217-11 | Sequence 11, App1 | 924 | 14 | 56.0 | 60 | 5 | PCT-US95-17111A-66 | Sequence 66, App1 |
| C 852 | 16 | 64.0 | 13865 | 3 | US-09-009-656-11 | Sequence 11, App1 | 925 | 14 | 56.0 | 73 | 3 | US-09-056-762-8 | Sequence 8, App1 |
| C 853 | 16 | 64.0 | 14581 | 4 | US-08-520-373D-4 | Sequence 4, App1 | 926 | 14 | 56.0 | 75 | 3 | US-09-056-762-7 | Sequence 7, App1 |
| C 854 | 16 | 64.0 | 15297 | 4 | US-09-817-180-3 | Sequence 3, App1 | 927 | 14 | 56.0 | 112 | 2 | US-08-454-557C-27 | Sequence 27, App1 |
| C 855 | 16 | 64.0 | 15602 | 4 | US-09-844-634-17 | Sequence 17, App1 | 928 | 14 | 56.0 | 112 | 2 | US-08-340-428D-27 | Sequence 27, App1 |
| C 856 | 16 | 64.0 | 20966 | 4 | US-09-984-880-3 | Sequence 3, App1 | 929 | 14 | 56.0 | 112 | 2 | US-08-450-673C-27 | Sequence 27, App1 |
| C 857 | 16 | 64.0 | 42571 | 4 | US-09-810-347-3 | Sequence 3, App1 | 930 | 14 | 56.0 | 112 | 5 | PCT-US95-17111A-27 | Sequence 27, App1 |
| C 858 | 16 | 64.0 | 72928 | 3 | US-09-009-913-1 | Sequence 1, App1 | 931 | 14 | 56.0 | 149 | 2 | US-08-454-557C-89 | Sequence 89, App1 |
| C 859 | 15 | 60.0 | 20 | 4 | US-09-137-223A-14 | Sequence 14, App1 | 932 | 14 | 56.0 | 149 | 2 | US-08-340-428D-89 | Sequence 89, App1 |
| C 860 | 15 | 60.0 | 53 | 1 | US-08-303-004-8 | Sequence 8, App1 | 933 | 14 | 56.0 | 149 | 2 | US-08-450-673C-89 | Sequence 89, App1 |
| C 861 | 15 | 60.0 | 59 | 2 | US-08-454-557C-65 | Sequence 65, App1 | 934 | 14 | 56.0 | 149 | 5 | PCT-US95-17111A-89 | Sequence 89, App1 |
| C 862 | 15 | 60.0 | 59 | 2 | US-08-340-428D-65 | Sequence 65, App1 | 935 | 14 | 56.0 | 257 | 1 | US-08-741-406-3 | Sequence 3, App1 |
| C 863 | 15 | 60.0 | 59 | 2 | US-08-450-673C-65 | Sequence 65, App1 | 936 | 14 | 56.0 | 257 | 3 | US-09-024-472-3 | Sequence 3, App1 |
| C 864 | 15 | 60.0 | 59 | 5 | PCT-US95-17111A-65 | Sequence 65, App1 | 937 | 14 | 56.0 | 264 | 1 | US-08-222-177A-10 | Sequence 10, App1 |
| C 865 | 15 | 60.0 | 120 | 2 | US-08-454-557C-28 | Sequence 28, App1 | 938 | 14 | 56.0 | 330 | 3 | US-09-157-171-114 | Sequence 114, App |
| C 866 | 15 | 60.0 | 120 | 2 | US-08-340-428D-28 | Sequence 28, App1 | 939 | 14 | 56.0 | 372 | 3 | US-09-018-584A-13 | Sequence 13, App1 |
| C 867 | 15 | 60.0 | 120 | 2 | US-08-450-673C-28 | Sequence 28, App1 | 940 | 14 | 56.0 | 377 | 2 | US-08-454-557C-37 | Sequence 37, App1 |
| C 868 | 15 | 60.0 | 120 | 5 | PCT-US95-17111A-28 | Sequence 28, App1 | 941 | 14 | 56.0 | 377 | 2 | US-08-340-428D-37 | Sequence 37, App1 |
| C 869 | 15 | 60.0 | 167 | 2 | US-08-454-557C-90 | Sequence 90, App1 | 942 | 14 | 56.0 | 377 | 2 | US-08-450-673C-37 | Sequence 37, App1 |
| C 870 | 15 | 60.0 | 167 | 2 | US-08-340-428D-90 | Sequence 90, App1 | 943 | 14 | 56.0 | 377 | 5 | PCT-US95-17111A-37 | Sequence 37, App1 |
| C 871 | 15 | 60.0 | 167 | 2 | US-08-450-673C-90 | Sequence 90, App1 | 944 | 14 | 56.0 | 380 | 1 | US-08-126-587C-5 | Sequence 5, App1 |
| C 872 | 15 | 60.0 | 167 | 5 | PCT-US95-17111A-90 | Sequence 90, App1 | 945 | 14 | 56.0 | 410 | 3 | US-09-421-298-63 | Sequence 63, App1 |
| C 873 | 15 | 60.0 | 241 | 2 | US-08-849-701-10 | Sequence 10, App1 | 946 | 14 | 56.0 | 418 | 4 | US-09-118-554-13 | Sequence 13, App1 |
| C 874 | 15 | 60.0 | 712 | 1 | US-08-410-804-4 | Sequence 4, App1 | 947 | 14 | 56.0 | 419 | 4 | US-09-018-682-13 | Sequence 13, App1 |
| C 875 | 15 | 60.0 | 712 | 2 | US-08-259-511-4 | Sequence 4, App1 | 948 | 14 | 56.0 | 419 | 4 | US-09-118-682-13 | Sequence 13, App1 |
| C 876 | 15 | 60.0 | 712 | 2 | US-08-858-311-4 | Sequence 4, App1 | 949 | 14 | 56.0 | 419 | 4 | US-09-602-877A-13 | Sequence 13, App1 |
| C 877 | 15 | 60.0 | 856 | 4 | US-09-288-143-47 | Sequence 47, App1 | 950 | 14 | 56.0 | 423 | 3 | US-08-943-731-131 | Sequence 131, App |
| C 878 | 15 | 60.0 | 1001 | 4 | US-09-641-638-629 | Sequence 629, App | 951 | 14 | 56.0 | 427 | 4 | US-08-579-445-25 | Sequence 25, App1 |
| C 879 | 15 | 60.0 | 1001 | 4 | US-09-641-638-630 | Sequence 630, App | 952 | 14 | 56.0 | 434 | 2 | US-08-332-766A-10 | Sequence 10, App1 |
| C 880 | 15 | 60.0 | 1001 | 4 | US-09-671-317-43 | Sequence 43, App1 | 953 | 14 | 56.0 | 462 | 3 | US-09-328-111-79 | Sequence 79, App1 |
| C 881 | 15 | 60.0 | 1001 | 4 | US-09-671-317-44 | Sequence 44, App1 | 954 | 14 | 56.0 | 489 | 4 | US-09-370-838-109 | Sequence 109, App |
| C 882 | 15 | 60.0 | 1037 | 4 | US-09-257-179-16 | Sequence 16, App1 | 955 | 14 | 56.0 | 498 | 3 | US-09-078-294-29 | Sequence 29, App1 |
| C 883 | 15 | 60.0 | 2867 | 4 | US-09-402-512-38 | Sequence 38, App1 | 956 | 14 | 56.0 | 531 | 4 | US-09-404-879A-24 | Sequence 24, App1 |
| C 884 | 15 | 60.0 | 2907 | 2 | US-09-018-628-17 | Sequence 17, App1 | 957 | 14 | 56.0 | 531 | 4 | US-09-338-933-24 | Sequence 24, App1 |
| C 885 | 15 | 60.0 | 2907 | 3 | US-09-273-378-17 | Sequence 17, App1 | 958 | 14 | 56.0 | 531 | 4 | US-09-215-681-24 | Sequence 24, App1 |
| C 886 | 15 | 60.0 | 2907 | 3 | US-09-018-635-26 | Sequence 26, App1 | 959 | 14 | 56.0 | 542 | 3 | US-09-461-697-136 | Sequence 136, App |
| C 887 | 15 | 60.0 | 2907 | 4 | US-09-467-642-3 | Sequence 3, App1 | 960 | 14 | 56.0 | 548 | 4 | US-09-495-050A-81 | Sequence 81, App1 |
| C 888 | 15 | 60.0 | 2982 | 4 | US-09-912-962-26 | Sequence 26, App1 | 961 | 14 | 56.0 | 565 | 3 | US-09-328-111-267 | Sequence 267, App |
| C 889 | 15 | 60.0 | 3018 | 4 | US-09-620-312D-307 | Sequence 307, App | 962 | 14 | 56.0 | 569 | 3 | US-08-943-731-144 | Sequence 144, App |
| C 890 | 15 | 60.0 | 3018 | 4 | US-09-205-258-220 | Sequence 220, App | 963 | 14 | 56.0 | 586 | 3 | US-08-906-156A-68 | Sequence 68, App1 |
| C 891 | 15 | 60.0 | 5761 | 1 | US-07-749-001-2 | Sequence 2, App1 | 964 | 14 | 56.0 | 587 | 3 | US-08-906-156A-68 | Sequence 68, App1 |
| C 892 | 15 | 60.0 | 5761 | 1 | US-08-154-198-2 | Sequence 2, App1 | 965 | 14 | 56.0 | 591 | 3 | US-09-385-982-406 | Sequence 406, App |
| C 893 | 15 | 60.0 | 5761 | 1 | US-08-463-335-2 | Sequence 2, App1 | 966 | 14 | 56.0 | 611 | 4 | US-09-440-238-8 | Sequence 8, App1 |
| C 894 | 15 | 60.0 | 5761 | 2 | US-08-464-023A-2 | Sequence 2, App1 | 967 | 14 | 56.0 | 611 | 4 | US-09-495-050A-226 | Sequence 226, App |
| C 895 | 15 | 60.0 | 8779 | 2 | US-08-750-703-4 | Sequence 4, App1 | 968 | 14 | 56.0 | 611 | 4 | US-09-495-050A-227 | Sequence 227, App |
| C 896 | 15 | 60.0 | 10825 | 3 | US-08-652-465-1 | Sequence 1, App1 | 969 | 14 | 56.0 | 624 | 4 | US-09-495-050A-230 | Sequence 230, App |
| C 897 | 15 | 60.0 | 10825 | 3 | US-08-652-465-3 | Sequence 3, App1 | 970 | 14 | 56.0 | 652 | 3 | US-09-328-111-717 | Sequence 717, App |
| C 898 | 15 | 60.0 | 10825 | 3 | US-08-652-465-5 | Sequence 5, App1 | 971 | 14 | 56.0 | 665 | 3 | US-08-896-164-43 | Sequence 43, App1 |
| C 899 | 15 | 60.0 | 10825 | 3 | US-08-652-265-7 | Sequence 7, App1 | 972 | 14 | 56.0 | 675 | 4 | US-08-896-164-41 | Sequence 41, App1 |
| C 900 | 15 | 60.0 | 10825 | 3 | US-08-634-497A-1 | Sequence 1, App1 | 973 | 14 | 56.0 | 683 | 4 | US-09-740-238-19 | Sequence 19, App1 |
| C 901 | 15 | 60.0 | 10825 | 3 | US-08-634-497A-3 | Sequence 3, App1 | 974 | 14 | 56.0 | 700 | 3 | US-08-991-789A-174 | Sequence 174, App |
| C 902 | 15 | 60.0 | 10825 | 3 | US-08-634-497A-5 | Sequence 5, App1 | 975 | 14 | 56.0 | 700 | 4 | US-09-062-451-174 | Sequence 174, App |
| C 903 | 15 | 60.0 | 10825 | 3 | US-08-634-497A-7 | Sequence 7, App1 | 976 | 14 | 56.0 | 700 | 4 | US-09-598-326-174 | Sequence 174, App |

```

977 14 56.0 700 4 US-09-289-198-174 Sequence 174, App
978 14 56.0 705 4 US-09-328-475C-262 Sequence 262, App
979 14 56.0 721 4 US-09-205-258-205 Sequence 205, App
980 14 56.0 738 4 US-09-662-250A-23 Sequence 23, App
981 14 56.0 742 4 US-09-495-050A-273 Sequence 273, App
982 14 56.0 782 4 US-09-328-475C-144 Sequence 144, App
983 14 56.0 788 4 US-09-288-143-27 Sequence 27, App
984 14 56.0 830 4 US-09-495-050A-80 Sequence 80, App
985 14 56.0 849 4 US-09-227-357-72 Sequence 72, App
986 14 56.0 888 4 US-09-252-991A-14356 Sequence 14356, A
987 14 56.0 951 4 US-09-328-475C-15 Sequence 15, App
988 14 56.0 955 4 US-09-641-638-22 Sequence 22, App
989 14 56.0 956 4 US-09-641-638-35 Sequence 35, App
990 14 56.0 956 4 US-09-641-638-56 Sequence 56, App
991 14 56.0 999 4 US-09-641-638-290 Sequence 290, App
992 14 56.0 1000 2 US-08-718-538-1 Sequence 1, App
993 14 56.0 1000 3 US-09-018-584A-33 Sequence 3, App
994 14 56.0 1001 4 US-09-641-638-175 Sequence 175, App
995 14 56.0 1001 4 US-09-641-638-208 Sequence 208, App
996 14 56.0 1001 4 US-09-641-638-521 Sequence 521, App
997 14 56.0 1001 4 US-09-641-638-526 Sequence 526, App
998 14 56.0 1001 4 US-09-671-317-154 Sequence 154, App
999 14 56.0 1001 4 US-09-671-317-170 Sequence 170, App
1000 14 56.0 1001 4 US-09-671-317-184 Sequence 184, App

```

ALIGNMENTS

RESULT 1
US-09-018-584A-124
Sequence 124, Application US/09018584A

```

GENERAL INFORMATION:
APPLICANT: Schumm, James W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
TITLE OF INVENTION: IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESS: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 124:
SEQUENCE CHARACTERISTICS:
LENGTH: 25
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US-09-018-584A-124

```

Query Match 100.0%; Score 25; DB 3; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.7e-06;

```

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GGTTCAGTGCAGCCGAGTAAGAGT 25
Db 1 GGTTCAGTGCAGCCGAGTAAGAGT 25

```

RESULT 2

US-09-018-584A-32
Sequence 32, Application US/09018584A

```

GENERAL INFORMATION:
APPLICANT: Schumm, James W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
TITLE OF INVENTION: IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESS: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 1000 bp
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Circular
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: no
IMMEDIATE SOURCE:
CLONE: S132
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 22
US-09-018-584A-32

```

Query Match 100.0%; Score 25; DB 3; Length 1000;
Best Local Similarity 100.0%; Pred. No. 5.6e-06;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 GGTTCAGTGCAGCCGAGTAAGAGT 25
Db 441 GGTTCAGTGCAGCCGAGTAAGAGT 465

```

RESULT 3

US-09-288-143-57
Sequence 57, Application US/09288143

```

GENERAL INFORMATION:
APPLICANT: Brewer et al.
TITLE OF INVENTION: 53 Human Secreted Proteins
FILE REFERENCE: P2018P1
CURRENT APPLICATION NUMBER: US/09/288,143

```

CURRENT FILING DATE: 1999-04-08
EARLIER APPLICATION NUMBER: PCT/US98/21142
EARLIER FILING DATE: 1998-10-08
EARLIER APPLICATION NUMBER: 60/061,463
EARLIER FILING DATE: 1997-10-09
EARLIER APPLICATION NUMBER: 60/061,529
EARLIER FILING DATE: 1997-10-09
EARLIER APPLICATION NUMBER: 60/071,498
EARLIER FILING DATE: 1997-10-09
EARLIER APPLICATION NUMBER: 60/061,527
EARLIER FILING DATE: 1997-10-09
EARLIER APPLICATION NUMBER: 60/061,536
EARLIER FILING DATE: 1997-10-09
EARLIER APPLICATION NUMBER: 60/061,532
EARLIER FILING DATE: 1997-10-09
NUMBER OF SEQ ID NOS: 219
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 57
LENGTH: 764
TYPE: DNA
ORGANISM: Homo sapiens
US-09-288-143-57

Query Match 80.0%; Score 20; DB 4; Length 764;
Best Local Similarity 100.0%; Pred. No. 0.0045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGCAGCCGAGATA 20
DB 674 GGTTCAGTGCAGCCGAGATA 693

RESULT 4
US-08-683-743-3
Sequence 3, Application US/08683743
Patent No. 5843697
GENERAL INFORMATION:
APPLICANT: Peetka, Sidney
APPLICANT: Kotenko, Sergei
TITLE OF INVENTION: CYTOKINE RECEPTOR SIGNAL TRANSDUCTION
TITLE OF INVENTION: CHAIN
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: David A. Jackson, Esq.
STREET: 411 Hackensack Ave, Continental Plaza, 4th
STEER: Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/683,743
FILING DATE: 17-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 601-1-050
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1875 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA

HYPOTHETICAL: NO
US-08-683-743-3

Query Match 80.0%; Score 20; DB 2; Length 1875;
Best Local Similarity 100.0%; Pred. No. 0.0045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGCAGCCGAGATA 20
DB 1551 GGTTCAGTGCAGCCGAGATA 1570

RESULT 5
US-08-406-030A-17
Sequence 17, Application US/08406030A
Patent No. 6270989
GENERAL INFORMATION:
APPLICANT: Treco, Douglas A.
APPLICANT: Heartlein, Michael W.
APPLICANT: Hauge, Brian M.
APPLICANT: Seiden, Richard F.
TITLE OF INVENTION: Protein Production and Delivery
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brock, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/406,030A
FILING DATE: 17-MAR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/243,391
FILING DATE: 13-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/985,586
FILING DATE: 03-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/911,533
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/787,840
FILING DATE: 05-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/789,188
FILING DATE: 05-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11704
FILING DATE: 02-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/09627
FILING DATE: 05-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: TKT95-01
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 4042 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)
US-08-406-030A-17

Query Match 80.0%; Score 20; DB 3; Length 4042;
Best Local Similarity 100.0%; Pred. No. 0.0045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGCAGCCGAGATA 20
DB 2894 GGTTCAGTGCAGCCGAGATA 2913

RESULT 6

US-08-370-319C-12
Sequence 12, Application US/08370319C
Patent No. 5856091
GENERAL INFORMATION:
APPLICANT: Brichard, Vincent; Van Pel, Aline;
APPLICANT: Traversari, Catia; W Ifel, Thomas; Coulie, Pierre;
APPLICANT: Boon-Falleur, Thierry; De Plaen, Etienne
TITLE OF INVENTION: ISOLATED NUCLEIC ACID SEQUENCE CODING FOR A
TITLE OF INVENTION: TUMOR REJECTION ANTIGEN PERCURSOR PROCESSED TO AT LEAST ONE TU
TITLE OF INVENTION: REJECTION ANTIGEN PRESENTED BY HLA-A2
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/370,319C
FILING DATE: 10-JANUARY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/272,351
FILING DATE: 8-JULY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/032,978
FILING DATE: 18-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 5856091man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5377.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 4129 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION: The sequence is preceded by an
OTHER INFORMATION: unsequenced portion of from 4.7 to 5.3
OTHER INFORMATION: kilobases
US-08-370-319C-12

Query Match 80.0%; Score 20; DB 2; Length 4129;
Best Local Similarity 100.0%; Pred. No. 0.0045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGCAGCCGAGATA 20
DB 3066 GGTTCAGTGCAGCCGAGATA 3085

RESULT 7

US-09-224-834-12
Sequence 12, Application US/09224834
Patent No. 6201111
GENERAL INFORMATION:
APPLICANT: Brichard, Vincent; Van Pel, Aline;
APPLICANT: Traversari, Catia; W Ifel, Thomas; Coulie, Pierre;
APPLICANT: Boon-Falleur, Thierry; De Plaen, Etienne
TITLE OF INVENTION: ISOLATED NUCLEIC ACID SEQUENCE CODING FOR A
TITLE OF INVENTION: TUMOR REJECTION ANTIGEN PERCURSOR PROCESSED TO AT LEAST ONE TU
TITLE OF INVENTION: REJECTION ANTIGEN PRESENTED BY HLA-A2
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM PS/2
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/224,834
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/370,319
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/032,978
FILING DATE: 18-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hanson, No. 620111man D.
REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LUD 5377.1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 4129 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
FEATURE:
OTHER INFORMATION: The sequence is preceded by an
OTHER INFORMATION: unsequenced portion of from 4.7 to 5.3
OTHER INFORMATION: kilobases
US-09-224-834-12

Query Match 80.0%; Score 20; DB 3; Length 4129;
Best Local Similarity 100.0%; Pred. No. 0.0045;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGCAGCCGAGATA 20
DB 3066 GGTTCAGTGCAGCCGAGATA 3085

RESULT 8

US-08-965-048-5
Sequence 5, Application US/08965048
Patent No. 6323244
GENERAL INFORMATION:
APPLICANT: Chen, Hong
APPLICANT: Freimer, Nelson
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND
TITLE OF INVENTION: TREATMENT OF NEUROPSYCHIATRIC DISORDERS
FILE REFERENCE: 7853-093

CURRENT APPLICATION NUMBER: US/08/965,048
CURRENT FILING DATE: 1997-11-05
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 5
LENGTH: 45716
TYPE: DNA
ORGANISM: Homo sapiens
US-08-965-048-5

Query Match 80.0%; Score 20; DB 4; Length 45716;
Best Local Similarity 100.0%; Pred. No. 0.0044;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGTTCAGTGTAGCCGAGATA 20
DB 33531 GGTTCAGTGTAGCCGAGATA 33550

RESULT 9
US-08-965-048-6
Sequence 6, Application US/08965048
Patent No. 6323244
GENERAL INFORMATION:
APPLICANT: Chen, Hong
APPLICANT: Freimer, Nelson
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND
TITILE OF INVENTION: TREATMENT OF NEUROPSYCHIATRIC DISORDERS
FILE REFERENCE: 7853-093
CURRENT APPLICATION NUMBER: US/08/965,048
CURRENT FILING DATE: 1997-11-05
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 6
LENGTH: 45989
TYPE: DNA
ORGANISM: Homo sapiens
US-08-965-048-6

Query Match 80.0%; Score 20; DB 4; Length 45989;
Best Local Similarity 100.0%; Pred. No. 0.0044;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGTTCAGTGTAGCCGAGATA 20
DB 33645 GGTTCAGTGTAGCCGAGATA 33664

RESULT 10
US-08-133-629-2
Sequence 2, Application US/08133629
Patent No. 5597694
GENERAL INFORMATION:
APPLICANT: Munroe, David J.
APPLICANT: Housman, David E.
TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSER: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: United States of America
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/133,629
FILING DATE: 07-OCT-1993
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Greer, Helen
REGISTRATION NUMBER: 36,816
REFERENCE/DOCKET NUMBER: M0828/7001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
TELEX: 92-1742 EZEKIEL
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-133-629-2

Query Match 76.0%; Score 19; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GGTTCAGTGTAGCCGAGAT 19
DB 3 GGTTCAGTGTAGCCGAGAT 21

RESULT 11
US-08-687-080-93/C
Sequence 93, Application US/08687080
Patent No. 5965427
GENERAL INFORMATION:
APPLICANT: Gregory Dolganov
TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof
NUMBER OF SEQUENCES: 175
CORRESPONDENCE ADDRESS:
ADDRESSER: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/687,080
FILING DATE: 17-JUL-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,126
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Sholtz, Charles K.
REGISTRATION NUMBER: 38,615
REFERENCE/DOCKET NUMBER: 4600-0111.30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 93:
SEQUENCE CHARACTERISTICS:
LENGTH: 239 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: 5' END OF INTRON 16 OF RAD50 GENOMIC
US-08-687-080-93

Query Match 76.0%; Score 19; DB 2; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGAT 19
|||||
Db 128 GGTTCAGTGTAGCCGAGAT 110

RESULT 12

US-08-849-701-1
; Sequence 1, Application US/08849701
; Patent No. 5922544
; GENERAL INFORMATION:
; APPLICANT: Miyai, Kiyoshi
; APPLICANT: Naichou, Tetsumu
; APPLICANT: Yonekawa, Toshihiro
; TITLE OF INVENTION: Method of Cell Detection
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: IBM Compatible
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/849,701
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP95/02734
; FILING DATE: 27-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: EIKEN1.001APC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 265 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; IMMEDIATE SOURCE:
; CLONE: A19 sequence BLUR8
; US-08-849-701-1

Query Match 76.0%; Score 19; DB 2; Length 265;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGAT 19
|||||
Db 194 GGTTCAGTGTAGCCGAGAT 212

RESULT 13

US-08-579-445-26
; Sequence 26, Application US/08579445
; Patent No. 656053
; GENERAL INFORMATION:
; APPLICANT: Peruchio, Manuel
; APPLICANT: Peinado, Miguel A.

APPLICANT: Ionov, Yuri
; APPLICANT: Malkhosyan, Sergei
; TITLE OF INVENTION: Identification of Neoplasms by Detection
; TITLE OF INVENTION: of Genetic Deletions
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.

ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,445
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/152,484
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kirkpatrick, Anita M.
; REGISTRATION NUMBER: 32,617
; REFERENCE/DOCKET NUMBER: STRATAG.009A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 283 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-579-445-26

Query Match 76.0%; Score 19; DB 4; Length 283;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGAT 19
|||||
Db 218 GGTTCAGTGTAGCCGAGAT 236

RESULT 14

US-08-481-658B-61/C
; Sequence 61, Application US/08481658B
; Patent No. 5955075
; GENERAL INFORMATION:
; APPLICANT: Zavada, Jan
; APPLICANT: Pastorekova, Silvia
; APPLICANT: Pastorek, Jaromir
; TITLE OF INVENTION: MN Gene and Protein
; NUMBER OF SEQUENCES: 86
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Leona L. Lauder
; STREET: 6 Mariposa Court
; CITY: Tiburon
; STATE: California
; COUNTRY: USA
; ZIP: 94920
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/481,658B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,190
FILING DATE: 15-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L.
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0021.3E
TELEPHONE: 415-435-2034
TELEFAX: 415-435-0727
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-481-658B-61

Query Match 76.0%; Score 19; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTGCAGTGAGCCCGAGAT 19
DB 75 GGTTGCAGTGAGCCCGAGAT 57

RESULT 15

US-08-477-504A-61/C
Sequence 61, Application US/08477504A

Patent No. 5972353

GENERAL INFORMATION:

APPLICANT: Zavada, Jan

APPLICANT: Pastorekova, Silvia

APPLICANT: Pastorek, Jaromir

TITLE OF INVENTION: MN Gene and Protein

NUMBER OF SEQUENCES: 86

CORRESPONDENCE ADDRESS:

ADDRESSEE: Leona L. Lauder

STREET: 6 Mariposa Court

CITY: Tiburon

STATE: California

COUNTRY: USA

ZIP: 94920

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/477,504A

FILING DATE: 07-JUN-1995

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/260,190

FILING DATE: 15-JUN-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lauder, Leona L.

REGISTRATION NUMBER: 30,863

REFERENCE/DOCKET NUMBER: D-0021.3D

TELEPHONE: 415-435-2034

TELEFAX: 415-435-0727

INFORMATION FOR SEQ ID NO: 61:

SEQUENCE CHARACTERISTICS:

LENGTH: 294 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-477-504A-61

Query Match 76.0%; Score 19; DB 2; Length 294;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTGCAGTGAGCCCGAGAT 19
DB 75 GGTTGCAGTGAGCCCGAGAT 57

Search completed: October 9, 2003, 16:05:27
Job time: 17.4762 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Comphen Ltd.

OM nucleic - nucleic search, using SW model

Run on: October 9, 2003, 15:58:38 ; Search time 8.2381 Seconds
(without alignments)
7874.427 Million cell updates/sec

Title: US-09-784-423-124

Perfect score: 25

Sequence: 1 GCTTGCAGTGCAGCCGAGATAGAGT 25

Scoring table: OLIGO_NUC

Searched: 1731049 seqs, 1297405648 residues

Word size: 0

Total number of hits satisfying chosen parameters: 3462098

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database:

Published Applications: NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|----------------------|--------------------|
| 1 | 25 | 100.0 | 25 | US-09-784-423-124 | Sequence 124, App |
| 2 | 25 | 100.0 | 9 | US-09-784-423-32 | Sequence 32, Appl |
| 3 | 21 | 84.0 | 611 | US-10-027-632-256 | Sequence 256, App |
| 4 | 21 | 84.0 | 619 | US-10-027-632-76653 | Sequence 76653, A |
| 5 | 21 | 84.0 | 619 | US-10-027-632-76654 | Sequence 76654, A |
| 6 | 21 | 84.0 | 619 | US-10-027-632-109145 | Sequence 109145, A |
| 7 | 21 | 84.0 | 619 | US-10-027-632-109146 | Sequence 109146, A |
| 8 | 21 | 84.0 | 619 | US-10-027-632-41282 | Sequence 41282, A |
| 9 | 21 | 84.0 | 619 | US-10-027-632-41283 | Sequence 41283, A |
| 10 | 21 | 84.0 | 619 | US-10-027-632-128887 | Sequence 128887, A |
| 11 | 21 | 84.0 | 619 | US-10-027-632-165508 | Sequence 165508, A |
| 12 | 21 | 84.0 | 2339 | US-10-027-632-102290 | Sequence 102290, A |
| 13 | 21 | 84.0 | 2339 | US-10-027-632-102291 | Sequence 102291, A |
| 14 | 21 | 84.0 | 19286 | US-09-764-891-5690 | Sequence 5690, App |
| 15 | 21 | 84.0 | 240825 | US-09-790-289-1 | Sequence 1, Appl1 |
| 16 | 20 | 80.0 | 357 | US-10-027-632-138166 | Sequence 138166, A |

| | | | | | | |
|------|----|------|------|----|----------------------|--------------------|
| C 17 | 20 | 80.0 | 384 | 10 | US-09-867-701-2157 | Sequence 2157, App |
| C 18 | 20 | 80.0 | 414 | 11 | US-09-918-995-8428 | Sequence 8428, App |
| C 19 | 20 | 80.0 | 431 | 12 | US-10-082-828A-148 | Sequence 148, App |
| C 20 | 20 | 80.0 | 434 | 13 | US-10-027-632-66429 | Sequence 66429, A |
| C 21 | 20 | 80.0 | 470 | 11 | US-09-918-995-26090 | Sequence 26090, A |
| C 22 | 20 | 80.0 | 508 | 11 | US-10-027-632-51667 | Sequence 51667, A |
| C 23 | 20 | 80.0 | 508 | 13 | US-10-027-632-91668 | Sequence 91668, A |
| C 24 | 20 | 80.0 | 537 | 13 | US-10-027-632-291649 | Sequence 291649, A |
| C 25 | 20 | 80.0 | 546 | 13 | US-10-027-632-281502 | Sequence 281502, A |
| C 26 | 20 | 80.0 | 546 | 13 | US-10-027-632-286646 | Sequence 286646, A |
| C 27 | 20 | 80.0 | 546 | 13 | US-10-027-632-286647 | Sequence 286647, A |
| C 28 | 20 | 80.0 | 562 | 13 | US-10-027-632-35694 | Sequence 35694, A |
| C 29 | 20 | 80.0 | 562 | 13 | US-10-027-632-35695 | Sequence 35695, A |
| C 30 | 20 | 80.0 | 570 | 11 | US-09-918-995-14524 | Sequence 14524, A |
| C 31 | 20 | 80.0 | 572 | 13 | US-10-027-632-223962 | Sequence 223962, A |
| C 32 | 20 | 80.0 | 580 | 13 | US-10-027-632-99463 | Sequence 99463, A |
| C 33 | 20 | 80.0 | 585 | 13 | US-10-027-632-193749 | Sequence 193749, A |
| C 34 | 20 | 80.0 | 585 | 13 | US-10-027-632-193750 | Sequence 193750, A |
| C 35 | 20 | 80.0 | 600 | 13 | US-10-027-632-93684 | Sequence 93684, A |
| C 36 | 20 | 80.0 | 600 | 13 | US-10-027-632-93685 | Sequence 93685, A |
| C 37 | 20 | 80.0 | 600 | 13 | US-10-027-632-93686 | Sequence 93686, A |
| C 38 | 20 | 80.0 | 600 | 13 | US-10-027-632-93687 | Sequence 93687, A |
| C 39 | 20 | 80.0 | 607 | 13 | US-10-027-632-82147 | Sequence 82147, A |
| C 40 | 20 | 80.0 | 607 | 13 | US-10-027-632-82148 | Sequence 82148, A |
| C 41 | 20 | 80.0 | 607 | 13 | US-10-027-632-82149 | Sequence 82149, A |
| C 42 | 20 | 80.0 | 611 | 13 | US-10-027-632-215931 | Sequence 215931, A |
| C 43 | 20 | 80.0 | 611 | 13 | US-10-027-632-308467 | Sequence 308467, A |
| C 44 | 20 | 80.0 | 618 | 13 | US-10-027-632-283381 | Sequence 283381, A |
| C 45 | 20 | 80.0 | 624 | 13 | US-10-027-632-208850 | Sequence 208850, A |
| C 46 | 20 | 80.0 | 625 | 13 | US-10-027-632-142954 | Sequence 142954, A |
| C 47 | 20 | 80.0 | 625 | 13 | US-10-027-632-142955 | Sequence 142955, A |
| C 48 | 20 | 80.0 | 628 | 13 | US-10-027-632-268899 | Sequence 268899, A |
| C 49 | 20 | 80.0 | 637 | 13 | US-10-027-632-179752 | Sequence 179752, A |
| C 50 | 20 | 80.0 | 637 | 13 | US-10-027-632-179753 | Sequence 179753, A |
| C 51 | 20 | 80.0 | 637 | 13 | US-10-027-632-179754 | Sequence 179754, A |
| C 52 | 20 | 80.0 | 637 | 13 | US-10-027-632-179755 | Sequence 179755, A |
| C 53 | 20 | 80.0 | 637 | 13 | US-10-027-632-311163 | Sequence 311163, A |
| C 54 | 20 | 80.0 | 637 | 14 | US-10-106-698-450 | Sequence 450, App |
| C 55 | 20 | 80.0 | 663 | 11 | US-09-764-891-9767 | Sequence 9767, App |
| C 56 | 20 | 80.0 | 663 | 11 | US-09-764-891-9768 | Sequence 9768, App |
| C 57 | 20 | 80.0 | 684 | 13 | US-10-027-632-27891 | Sequence 27891, A |
| C 58 | 20 | 80.0 | 716 | 13 | US-10-027-632-110591 | Sequence 110591, A |
| C 59 | 20 | 80.0 | 718 | 12 | US-10-076-747-12 | Sequence 12, Appl1 |
| C 60 | 20 | 80.0 | 728 | 13 | US-10-027-632-33222 | Sequence 33222, A |
| C 61 | 20 | 80.0 | 733 | 13 | US-10-027-632-127047 | Sequence 127047, A |
| C 62 | 20 | 80.0 | 764 | 14 | US-10-150-111-57 | Sequence 57, Appl1 |
| C 63 | 20 | 80.0 | 778 | 13 | US-10-027-632-17972 | Sequence 17972, A |
| C 64 | 20 | 80.0 | 788 | 13 | US-10-027-632-19006 | Sequence 19006, A |
| C 65 | 20 | 80.0 | 801 | 13 | US-10-027-632-136807 | Sequence 136807, A |
| C 66 | 20 | 80.0 | 806 | 13 | US-10-027-632-101452 | Sequence 101452, A |
| C 67 | 20 | 80.0 | 807 | 13 | US-10-027-632-158717 | Sequence 158717, A |
| C 68 | 20 | 80.0 | 807 | 13 | US-10-027-632-162729 | Sequence 162729, A |
| C 69 | 20 | 80.0 | 807 | 13 | US-10-027-632-162730 | Sequence 162730, A |
| C 70 | 20 | 80.0 | 831 | 13 | US-10-027-632-127046 | Sequence 127046, A |
| C 71 | 20 | 80.0 | 833 | 13 | US-10-027-632-160754 | Sequence 160754, A |
| C 72 | 20 | 80.0 | 833 | 13 | US-10-027-632-160755 | Sequence 160755, A |
| C 73 | 20 | 80.0 | 856 | 13 | US-10-027-632-162052 | Sequence 162052, A |
| C 74 | 20 | 80.0 | 856 | 13 | US-10-027-632-162053 | Sequence 162053, A |
| C 75 | 20 | 80.0 | 918 | 13 | US-10-027-632-158123 | Sequence 158123, A |
| C 76 | 20 | 80.0 | 982 | 13 | US-10-027-632-119857 | Sequence 119857, A |
| C 77 | 20 | 80.0 | 1111 | 13 | US-10-027-632-116649 | Sequence 116649, A |
| C 78 | 20 | 80.0 | 1111 | 13 | US-10-027-632-116650 | Sequence 116650, A |
| C 79 | 20 | 80.0 | 1178 | 13 | US-10-027-632-251851 | Sequence 251851, A |
| C 80 | 20 | 80.0 | 1203 | 13 | US-10-027-632-123393 | Sequence 123393, A |
| C 81 | 20 | 80.0 | 1203 | 13 | US-10-027-632-123394 | Sequence 123394, A |
| C 82 | 20 | 80.0 | 1203 | 13 | US-10-027-632-123395 | Sequence 123395, A |
| C 83 | 20 | 80.0 | 1244 | 13 | US-10-027-632-255607 | Sequence 255607, A |
| C 84 | 20 | 80.0 | 1445 | 13 | US-10-027-632-389 | Sequence 389, App |
| C 85 | 20 | 80.0 | 1611 | 12 | US-09-814-353-30507 | Sequence 30507, A |
| C 86 | 20 | 80.0 | 1875 | 12 | US-10-187-749-389 | Sequence 389, App |
| C 87 | 20 | 80.0 | 1875 | 12 | US-10-187-749-389 | Sequence 389, App |
| C 88 | 20 | 80.0 | 1875 | 12 | US-10-187-749-389 | Sequence 389, App |
| C 89 | 20 | 80.0 | 1875 | 12 | US-10-187-749-389 | Sequence 389, App |

| | | | | | | |
|-----|----|------|------|----|-------------------|-------------------|
| 90 | 20 | 80.0 | 1875 | 12 | US-10-196-747-389 | Sequence 389, App |
| 91 | 20 | 80.0 | 1875 | 12 | US-10-173-689-389 | Sequence 389, App |
| 92 | 20 | 80.0 | 1875 | 12 | US-10-173-690-389 | Sequence 389, App |
| 93 | 20 | 80.0 | 1875 | 12 | US-10-173-691-389 | Sequence 389, App |
| 94 | 20 | 80.0 | 1875 | 12 | US-10-173-692-389 | Sequence 389, App |
| 95 | 20 | 80.0 | 1875 | 12 | US-10-173-694-389 | Sequence 389, App |
| 96 | 20 | 80.0 | 1875 | 12 | US-10-173-698-389 | Sequence 389, App |
| 97 | 20 | 80.0 | 1875 | 12 | US-10-173-699-389 | Sequence 389, App |
| 98 | 20 | 80.0 | 1875 | 12 | US-10-173-707-389 | Sequence 389, App |
| 99 | 20 | 80.0 | 1875 | 12 | US-10-174-569-389 | Sequence 389, App |
| 100 | 20 | 80.0 | 1875 | 12 | US-10-174-583-389 | Sequence 389, App |
| 101 | 20 | 80.0 | 1875 | 12 | US-10-174-587-389 | Sequence 389, App |
| 102 | 20 | 80.0 | 1875 | 12 | US-10-174-589-389 | Sequence 389, App |
| 103 | 20 | 80.0 | 1875 | 12 | US-10-174-591-389 | Sequence 389, App |
| 104 | 20 | 80.0 | 1875 | 12 | US-10-175-736-389 | Sequence 389, App |
| 105 | 20 | 80.0 | 1875 | 12 | US-10-175-742-389 | Sequence 389, App |
| 106 | 20 | 80.0 | 1875 | 12 | US-10-175-744-389 | Sequence 389, App |
| 107 | 20 | 80.0 | 1875 | 12 | US-10-175-745-389 | Sequence 389, App |
| 108 | 20 | 80.0 | 1875 | 12 | US-10-175-748-389 | Sequence 389, App |
| 109 | 20 | 80.0 | 1875 | 12 | US-10-175-751-389 | Sequence 389, App |
| 110 | 20 | 80.0 | 1875 | 12 | US-10-175-754-389 | Sequence 389, App |
| 111 | 20 | 80.0 | 1875 | 12 | US-10-176-480-389 | Sequence 389, App |
| 112 | 20 | 80.0 | 1875 | 12 | US-10-176-489-389 | Sequence 389, App |
| 113 | 20 | 80.0 | 1875 | 12 | US-10-176-754-389 | Sequence 389, App |
| 114 | 20 | 80.0 | 1875 | 12 | US-10-176-755-389 | Sequence 389, App |
| 115 | 20 | 80.0 | 1875 | 12 | US-10-176-759-389 | Sequence 389, App |
| 116 | 20 | 80.0 | 1875 | 12 | US-10-176-920-389 | Sequence 389, App |
| 117 | 20 | 80.0 | 1875 | 12 | US-10-176-922-389 | Sequence 389, App |
| 118 | 20 | 80.0 | 1875 | 12 | US-10-176-924-389 | Sequence 389, App |
| 119 | 20 | 80.0 | 1875 | 12 | US-10-176-984-389 | Sequence 389, App |
| 120 | 20 | 80.0 | 1875 | 12 | US-10-179-508-389 | Sequence 389, App |
| 121 | 20 | 80.0 | 1875 | 12 | US-10-179-512-389 | Sequence 389, App |
| 122 | 20 | 80.0 | 1875 | 12 | US-10-179-515-389 | Sequence 389, App |
| 123 | 20 | 80.0 | 1875 | 12 | US-10-066-198-136 | Sequence 389, App |
| 124 | 20 | 80.0 | 1875 | 12 | US-10-173-702-389 | Sequence 389, App |
| 125 | 20 | 80.0 | 1875 | 12 | US-10-173-703-389 | Sequence 389, App |
| 126 | 20 | 80.0 | 1875 | 12 | US-10-173-704-389 | Sequence 389, App |
| 127 | 20 | 80.0 | 1875 | 12 | US-10-174-574-389 | Sequence 389, App |
| 128 | 20 | 80.0 | 1875 | 12 | US-10-176-486-389 | Sequence 389, App |
| 129 | 20 | 80.0 | 1875 | 12 | US-10-176-490-389 | Sequence 389, App |
| 130 | 20 | 80.0 | 1875 | 12 | US-10-176-752-389 | Sequence 389, App |
| 131 | 20 | 80.0 | 1875 | 12 | US-10-176-981-389 | Sequence 389, App |
| 132 | 20 | 80.0 | 1875 | 12 | US-10-176-983-389 | Sequence 389, App |
| 133 | 20 | 80.0 | 1875 | 12 | US-10-176-988-389 | Sequence 389, App |
| 134 | 20 | 80.0 | 1875 | 12 | US-10-179-517-389 | Sequence 389, App |
| 135 | 20 | 80.0 | 1875 | 12 | US-10-179-521-389 | Sequence 389, App |
| 136 | 20 | 80.0 | 1875 | 12 | US-10-066-203-136 | Sequence 389, App |
| 137 | 20 | 80.0 | 1875 | 12 | US-10-202-475-389 | Sequence 389, App |
| 138 | 20 | 80.0 | 1875 | 13 | US-10-052-586-389 | Sequence 389, App |
| 139 | 20 | 80.0 | 1875 | 13 | US-10-066-590-136 | Sequence 389, App |
| 140 | 20 | 80.0 | 1875 | 14 | US-10-174-590-389 | Sequence 389, App |
| 141 | 20 | 80.0 | 1875 | 14 | US-10-176-758-389 | Sequence 389, App |
| 142 | 20 | 80.0 | 1875 | 14 | US-10-175-737-389 | Sequence 389, App |
| 143 | 20 | 80.0 | 1875 | 14 | US-10-173-706-389 | Sequence 389, App |
| 144 | 20 | 80.0 | 1875 | 14 | US-10-175-738-389 | Sequence 389, App |
| 145 | 20 | 80.0 | 1875 | 14 | US-10-175-752-389 | Sequence 389, App |
| 146 | 20 | 80.0 | 1875 | 14 | US-10-176-482-389 | Sequence 389, App |
| 147 | 20 | 80.0 | 1875 | 14 | US-10-176-757-389 | Sequence 389, App |
| 148 | 20 | 80.0 | 1875 | 14 | US-10-176-913-389 | Sequence 389, App |
| 149 | 20 | 80.0 | 1875 | 14 | US-10-180-552-389 | Sequence 389, App |
| 150 | 20 | 80.0 | 1875 | 14 | US-10-180-557-389 | Sequence 389, App |
| 151 | 20 | 80.0 | 1875 | 14 | US-10-173-700-389 | Sequence 389, App |
| 152 | 20 | 80.0 | 1875 | 14 | US-10-174-572-389 | Sequence 389, App |
| 153 | 20 | 80.0 | 1875 | 14 | US-10-174-579-389 | Sequence 389, App |
| 154 | 20 | 80.0 | 1875 | 14 | US-10-174-582-389 | Sequence 389, App |
| 155 | 20 | 80.0 | 1875 | 14 | US-10-174-588-389 | Sequence 389, App |
| 156 | 20 | 80.0 | 1875 | 14 | US-10-175-739-389 | Sequence 389, App |
| 157 | 20 | 80.0 | 1875 | 14 | US-10-175-740-389 | Sequence 389, App |
| 158 | 20 | 80.0 | 1875 | 14 | US-10-175-743-389 | Sequence 389, App |
| 159 | 20 | 80.0 | 1875 | 14 | US-10-176-488-389 | Sequence 389, App |
| 160 | 20 | 80.0 | 1875 | 14 | US-10-176-492-389 | Sequence 389, App |
| 161 | 20 | 80.0 | 1875 | 14 | US-10-176-747-389 | Sequence 389, App |
| 162 | 20 | 80.0 | 1875 | 14 | US-10-176-750-389 | Sequence 389, App |

| | | | | | | | | | | | | | |
|-----|----|------|------|----|-------------------|-------------------|-----|----|------|------|----|-------------------|-------------------|
| 236 | 20 | 80.0 | 1875 | 14 | US-10-187-588-339 | Sequence 389, App | 309 | 20 | 80.0 | 1875 | 14 | US-10-184-636-389 | Sequence 389, App |
| 237 | 20 | 80.0 | 1875 | 14 | US-10-187-597-389 | Sequence 389, App | 310 | 20 | 80.0 | 1875 | 14 | US-10-192-010-389 | Sequence 389, App |
| 238 | 20 | 80.0 | 1875 | 14 | US-10-187-598-339 | Sequence 389, App | 311 | 20 | 80.0 | 1875 | 14 | US-10-205-908-389 | Sequence 389, App |
| 239 | 20 | 80.0 | 1875 | 14 | US-10-187-600-389 | Sequence 389, App | 312 | 20 | 80.0 | 1875 | 14 | US-10-186-885-389 | Sequence 389, App |
| 240 | 20 | 80.0 | 1875 | 14 | US-10-187-601-339 | Sequence 389, App | 313 | 20 | 80.0 | 1875 | 14 | US-10-187-599-389 | Sequence 389, App |
| 241 | 20 | 80.0 | 1875 | 14 | US-10-187-602-389 | Sequence 389, App | 314 | 20 | 80.0 | 1875 | 14 | US-10-187-750-389 | Sequence 389, App |
| 242 | 20 | 80.0 | 1875 | 14 | US-10-187-603-389 | Sequence 389, App | 315 | 20 | 80.0 | 1875 | 14 | US-10-188-780-389 | Sequence 389, App |
| 243 | 20 | 80.0 | 1875 | 14 | US-10-187-741-389 | Sequence 389, App | 316 | 20 | 80.0 | 1875 | 14 | US-10-192-015-389 | Sequence 389, App |
| 244 | 20 | 80.0 | 1875 | 14 | US-10-187-743-389 | Sequence 389, App | 317 | 20 | 80.0 | 1875 | 14 | US-10-194-394-389 | Sequence 389, App |
| 245 | 20 | 80.0 | 1875 | 14 | US-10-187-746-389 | Sequence 389, App | 318 | 20 | 80.0 | 1875 | 14 | US-10-194-425-389 | Sequence 389, App |
| 246 | 20 | 80.0 | 1875 | 14 | US-10-187-747-389 | Sequence 389, App | 319 | 20 | 80.0 | 1875 | 14 | US-10-194-485-389 | Sequence 389, App |
| 247 | 20 | 80.0 | 1875 | 14 | US-10-187-751-389 | Sequence 389, App | 320 | 20 | 80.0 | 1875 | 14 | US-10-195-885-389 | Sequence 389, App |
| 248 | 20 | 80.0 | 1875 | 14 | US-10-187-753-389 | Sequence 389, App | 321 | 20 | 80.0 | 1875 | 14 | US-10-195-899-389 | Sequence 389, App |
| 249 | 20 | 80.0 | 1875 | 14 | US-10-187-754-389 | Sequence 389, App | 322 | 20 | 80.0 | 1875 | 14 | US-10-196-748-389 | Sequence 389, App |
| 250 | 20 | 80.0 | 1875 | 14 | US-10-187-757-389 | Sequence 389, App | 323 | 20 | 80.0 | 1875 | 14 | US-10-196-750-389 | Sequence 389, App |
| 251 | 20 | 80.0 | 1875 | 14 | US-10-187-884-389 | Sequence 389, App | 324 | 20 | 80.0 | 1875 | 14 | US-10-197-699-389 | Sequence 389, App |
| 252 | 20 | 80.0 | 1875 | 14 | US-10-188-767-389 | Sequence 389, App | 325 | 20 | 80.0 | 1875 | 14 | US-10-197-700-389 | Sequence 389, App |
| 253 | 20 | 80.0 | 1875 | 14 | US-10-188-769-389 | Sequence 389, App | 326 | 20 | 80.0 | 1875 | 14 | US-10-197-705-389 | Sequence 389, App |
| 254 | 20 | 80.0 | 1875 | 14 | US-10-188-770-389 | Sequence 389, App | 327 | 20 | 80.0 | 1875 | 14 | US-10-197-708-389 | Sequence 389, App |
| 255 | 20 | 80.0 | 1875 | 14 | US-10-188-773-389 | Sequence 389, App | 328 | 20 | 80.0 | 1875 | 14 | US-10-198-764-389 | Sequence 389, App |
| 256 | 20 | 80.0 | 1875 | 14 | US-10-188-781-389 | Sequence 389, App | 329 | 20 | 80.0 | 1875 | 14 | US-10-198-765-389 | Sequence 389, App |
| 257 | 20 | 80.0 | 1875 | 14 | US-10-194-361-389 | Sequence 389, App | 330 | 20 | 80.0 | 1875 | 14 | US-10-198-768-389 | Sequence 389, App |
| 258 | 20 | 80.0 | 1875 | 14 | US-10-194-423-389 | Sequence 389, App | 331 | 20 | 80.0 | 1875 | 14 | US-10-199-769-389 | Sequence 389, App |
| 259 | 20 | 80.0 | 1875 | 14 | US-10-195-887-389 | Sequence 389, App | 332 | 20 | 80.0 | 1875 | 14 | US-10-199-305-389 | Sequence 389, App |
| 260 | 20 | 80.0 | 1875 | 14 | US-10-195-901-389 | Sequence 389, App | 333 | 20 | 80.0 | 1875 | 14 | US-10-199-306-389 | Sequence 389, App |
| 261 | 20 | 80.0 | 1875 | 14 | US-10-195-902-389 | Sequence 389, App | 334 | 20 | 80.0 | 1875 | 14 | US-10-199-311-389 | Sequence 389, App |
| 262 | 20 | 80.0 | 1875 | 14 | US-10-196-743-389 | Sequence 389, App | 335 | 20 | 80.0 | 1875 | 14 | US-10-199-311-389 | Sequence 389, App |
| 263 | 20 | 80.0 | 1875 | 14 | US-10-196-760-389 | Sequence 389, App | 336 | 20 | 80.0 | 1875 | 14 | US-10-199-317-389 | Sequence 389, App |
| 264 | 20 | 80.0 | 1875 | 14 | US-10-066-269-136 | Sequence 389, App | 337 | 20 | 80.0 | 1875 | 14 | US-10-199-317-389 | Sequence 389, App |
| 265 | 20 | 80.0 | 1875 | 14 | US-10-173-708-389 | Sequence 389, App | 338 | 20 | 80.0 | 1875 | 14 | US-10-199-665-389 | Sequence 389, App |
| 266 | 20 | 80.0 | 1875 | 14 | US-10-176-479-389 | Sequence 389, App | 339 | 20 | 80.0 | 1875 | 14 | US-10-199-666-389 | Sequence 389, App |
| 267 | 20 | 80.0 | 1875 | 14 | US-10-176-748-389 | Sequence 389, App | 340 | 20 | 80.0 | 1875 | 14 | US-10-199-669-389 | Sequence 389, App |
| 268 | 20 | 80.0 | 1875 | 14 | US-10-176-916-389 | Sequence 389, App | 341 | 20 | 80.0 | 1875 | 14 | US-10-201-534-389 | Sequence 389, App |
| 269 | 20 | 80.0 | 1875 | 14 | US-10-179-517-389 | Sequence 389, App | 342 | 20 | 80.0 | 1875 | 14 | US-10-201-770-389 | Sequence 389, App |
| 270 | 20 | 80.0 | 1875 | 14 | US-10-179-516-389 | Sequence 389, App | 343 | 20 | 80.0 | 1875 | 14 | US-10-201-685-389 | Sequence 389, App |
| 271 | 20 | 80.0 | 1875 | 14 | US-10-179-518-389 | Sequence 389, App | 344 | 20 | 80.0 | 1875 | 14 | US-10-201-856-389 | Sequence 389, App |
| 272 | 20 | 80.0 | 1875 | 14 | US-10-179-525-389 | Sequence 389, App | 345 | 20 | 80.0 | 1875 | 14 | US-10-202-469-389 | Sequence 389, App |
| 273 | 20 | 80.0 | 1875 | 14 | US-10-180-540-389 | Sequence 389, App | 346 | 20 | 80.0 | 1875 | 14 | US-10-202-470-389 | Sequence 389, App |
| 274 | 20 | 80.0 | 1875 | 14 | US-10-180-545-389 | Sequence 389, App | 347 | 20 | 80.0 | 1875 | 14 | US-10-202-476-389 | Sequence 389, App |
| 275 | 20 | 80.0 | 1875 | 14 | US-10-183-006-389 | Sequence 389, App | 348 | 20 | 80.0 | 1875 | 14 | US-10-202-935-389 | Sequence 389, App |
| 276 | 20 | 80.0 | 1875 | 14 | US-10-183-008-389 | Sequence 389, App | 349 | 20 | 80.0 | 1875 | 14 | US-10-202-935-389 | Sequence 389, App |
| 277 | 20 | 80.0 | 1875 | 14 | US-10-183-011-389 | Sequence 389, App | 350 | 20 | 80.0 | 1875 | 14 | US-10-202-936-389 | Sequence 389, App |
| 278 | 20 | 80.0 | 1875 | 14 | US-10-183-019-389 | Sequence 389, App | 351 | 20 | 80.0 | 1875 | 14 | US-10-202-939-389 | Sequence 389, App |
| 279 | 20 | 80.0 | 1875 | 14 | US-10-184-618-389 | Sequence 389, App | 352 | 20 | 80.0 | 1875 | 14 | US-10-205-504-389 | Sequence 389, App |
| 280 | 20 | 80.0 | 1875 | 14 | US-10-184-625-389 | Sequence 389, App | 353 | 20 | 80.0 | 1875 | 14 | US-10-205-509-389 | Sequence 389, App |
| 281 | 20 | 80.0 | 1875 | 14 | US-10-184-626-389 | Sequence 389, App | 354 | 20 | 80.0 | 1875 | 14 | US-10-205-895-389 | Sequence 389, App |
| 282 | 20 | 80.0 | 1875 | 14 | US-10-184-627-389 | Sequence 389, App | 355 | 20 | 80.0 | 1875 | 14 | US-10-205-899-389 | Sequence 389, App |
| 283 | 20 | 80.0 | 1875 | 14 | US-10-184-645-389 | Sequence 389, App | 356 | 20 | 80.0 | 1875 | 14 | US-10-205-900-389 | Sequence 389, App |
| 284 | 20 | 80.0 | 1875 | 14 | US-10-184-654-389 | Sequence 389, App | 357 | 20 | 80.0 | 1875 | 14 | US-10-205-909-389 | Sequence 389, App |
| 285 | 20 | 80.0 | 1875 | 14 | US-10-184-655-389 | Sequence 389, App | 358 | 20 | 80.0 | 1875 | 14 | US-10-205-918-389 | Sequence 389, App |
| 286 | 20 | 80.0 | 1875 | 14 | US-10-188-774-389 | Sequence 389, App | 359 | 20 | 80.0 | 1875 | 14 | US-10-183-002-389 | Sequence 389, App |
| 287 | 20 | 80.0 | 1875 | 14 | US-10-188-775-389 | Sequence 389, App | 360 | 20 | 80.0 | 1875 | 14 | US-10-184-621-389 | Sequence 389, App |
| 288 | 20 | 80.0 | 1875 | 14 | US-10-194-462-389 | Sequence 389, App | 361 | 20 | 80.0 | 1875 | 14 | US-10-184-638-389 | Sequence 389, App |
| 289 | 20 | 80.0 | 1875 | 14 | US-10-196-745-389 | Sequence 389, App | 362 | 20 | 80.0 | 1875 | 14 | US-10-187-752-389 | Sequence 389, App |
| 290 | 20 | 80.0 | 1875 | 14 | US-10-197-695-389 | Sequence 389, App | 363 | 20 | 80.0 | 1875 | 14 | US-10-187-887-389 | Sequence 389, App |
| 291 | 20 | 80.0 | 1875 | 14 | US-10-197-696-389 | Sequence 389, App | 364 | 20 | 80.0 | 1875 | 14 | US-10-194-461-389 | Sequence 389, App |
| 292 | 20 | 80.0 | 1875 | 14 | US-10-195-894-389 | Sequence 389, App | 365 | 20 | 80.0 | 1875 | 14 | US-10-195-882-389 | Sequence 389, App |
| 293 | 20 | 80.0 | 1875 | 14 | US-10-066-211-136 | Sequence 389, App | 366 | 20 | 80.0 | 1875 | 14 | US-10-196-751-389 | Sequence 389, App |
| 294 | 20 | 80.0 | 1875 | 14 | US-10-066-193-136 | Sequence 389, App | 367 | 20 | 80.0 | 1875 | 14 | US-10-197-694-389 | Sequence 389, App |
| 295 | 20 | 80.0 | 1875 | 14 | US-10-176-484-389 | Sequence 389, App | 368 | 20 | 80.0 | 1875 | 14 | US-10-197-697-389 | Sequence 389, App |
| 296 | 20 | 80.0 | 1875 | 14 | US-10-176-753-389 | Sequence 389, App | 369 | 20 | 80.0 | 1875 | 14 | US-10-197-707-389 | Sequence 389, App |
| 297 | 20 | 80.0 | 1875 | 14 | US-10-176-917-389 | Sequence 389, App | 370 | 20 | 80.0 | 1875 | 14 | US-10-199-303-389 | Sequence 389, App |
| 298 | 20 | 80.0 | 1875 | 14 | US-10-176-982-389 | Sequence 389, App | 371 | 20 | 80.0 | 1875 | 14 | US-10-199-318-389 | Sequence 389, App |
| 299 | 20 | 80.0 | 1875 | 14 | US-10-179-506-389 | Sequence 389, App | 372 | 20 | 80.0 | 1875 | 14 | US-10-199-458-389 | Sequence 389, App |
| 300 | 20 | 80.0 | 1875 | 14 | US-10-179-513-389 | Sequence 389, App | 373 | 20 | 80.0 | 1875 | 14 | US-10-199-462-389 | Sequence 389, App |
| 301 | 20 | 80.0 | 1875 | 14 | US-10-179-514-389 | Sequence 389, App | 374 | 20 | 80.0 | 1875 | 14 | US-10-201-324-389 | Sequence 389, App |
| 302 | 20 | 80.0 | 1875 | 14 | US-10-179-522-389 | Sequence 389, App | 375 | 20 | 80.0 | 1875 | 14 | US-10-201-328-389 | Sequence 389, App |
| 303 | 20 | 80.0 | 1875 | 14 | US-10-180-556-389 | Sequence 389, App | 376 | 20 | 80.0 | 1875 | 14 | US-10-201-527-389 | Sequence 389, App |
| 304 | 20 | 80.0 | 1875 | 14 | US-10-180-560-389 | Sequence 389, App | 377 | 20 | 80.0 | 1875 | 14 | US-10-201-528-389 | Sequence 389, App |
| 305 | 20 | 80.0 | 1875 | 14 | US-10-183-015-389 | Sequence 389, App | 378 | 20 | 80.0 | 1875 | 14 | US-10-201-529-389 | Sequence 389, App |
| 306 | 20 | 80.0 | 1875 | 14 | US-10-184-613-389 | Sequence 389, App | 379 | 20 | 80.0 | 1875 | 14 | US-10-201-530-389 | Sequence 389, App |
| 307 | 20 | 80.0 | 1875 | 14 | US-10-184-620-389 | Sequence 389, App | 380 | 20 | 80.0 | 1875 | 14 | US-10-202-408-389 | Sequence 389, App |
| 308 | 20 | 80.0 | 1875 | 14 | US-10-184-643-389 | Sequence 389, App | 381 | 20 | 80.0 | 1875 | 14 | US-10-202-409-389 | Sequence 389, App |

| | | | | | | | |
|-----|----|------|------|----|--------------------|-------------------|-----|
| 382 | 20 | 80.0 | 1875 | 14 | US-10-202-411-389 | Sequence 389, App | 455 |
| 383 | 20 | 80.0 | 1875 | 14 | US-10-202-472-389 | Sequence 389, App | 456 |
| 384 | 20 | 80.0 | 1875 | 14 | US-10-205-502-389 | Sequence 389, App | 457 |
| 385 | 20 | 80.0 | 1875 | 14 | US-10-205-507-389 | Sequence 389, App | 458 |
| 386 | 20 | 80.0 | 1875 | 14 | US-10-205-511-389 | Sequence 389, App | 459 |
| 387 | 20 | 80.0 | 1875 | 14 | US-10-205-902-389 | Sequence 389, App | 460 |
| 388 | 20 | 80.0 | 1875 | 14 | US-10-205-907-389 | Sequence 389, App | 461 |
| 389 | 20 | 80.0 | 1875 | 14 | US-10-194-456-389 | Sequence 389, App | 462 |
| 390 | 20 | 80.0 | 1875 | 14 | US-10-196-758-389 | Sequence 389, App | 463 |
| 391 | 20 | 80.0 | 1875 | 14 | US-10-196-770-389 | Sequence 389, App | 464 |
| 392 | 20 | 80.0 | 1875 | 14 | US-10-199-308-389 | Sequence 389, App | 465 |
| 393 | 20 | 80.0 | 1875 | 14 | US-10-200-617-389 | Sequence 389, App | 466 |
| 394 | 20 | 80.0 | 1875 | 14 | US-10-205-893-389 | Sequence 389, App | 467 |
| 395 | 20 | 80.0 | 1875 | 14 | US-10-205-897-389 | Sequence 389, App | 468 |
| 396 | 20 | 80.0 | 1875 | 14 | US-10-196-754-389 | Sequence 389, App | 476 |
| 397 | 20 | 80.0 | 1875 | 14 | US-10-174-571-389 | Sequence 389, App | 470 |
| 398 | 20 | 80.0 | 1875 | 14 | US-10-176-746-389 | Sequence 389, App | 471 |
| 399 | 20 | 80.0 | 1875 | 14 | US-10-176-923-389 | Sequence 389, App | 472 |
| 400 | 20 | 80.0 | 1875 | 14 | US-10-183-011-389 | Sequence 389, App | 473 |
| 401 | 20 | 80.0 | 1875 | 14 | US-10-184-633-389 | Sequence 389, App | 474 |
| 402 | 20 | 80.0 | 1875 | 14 | US-10-184-639-389 | Sequence 389, App | 475 |
| 403 | 20 | 80.0 | 1875 | 14 | US-10-187-742-389 | Sequence 389, App | 476 |
| 404 | 20 | 80.0 | 1875 | 14 | US-10-187-748-389 | Sequence 389, App | 477 |
| 405 | 20 | 80.0 | 1875 | 14 | US-10-188-766-389 | Sequence 389, App | 478 |
| 406 | 20 | 80.0 | 1875 | 14 | US-10-188-771-389 | Sequence 389, App | 479 |
| 407 | 20 | 80.0 | 1875 | 14 | US-10-192-006-389 | Sequence 389, App | 480 |
| 408 | 20 | 80.0 | 1875 | 14 | US-10-192-008-389 | Sequence 389, App | 481 |
| 409 | 20 | 80.0 | 1875 | 14 | US-10-192-009-389 | Sequence 389, App | 482 |
| 410 | 20 | 80.0 | 1875 | 14 | US-10-192-012-389 | Sequence 389, App | 483 |
| 411 | 20 | 80.0 | 1875 | 14 | US-10-192-014-389 | Sequence 389, App | 484 |
| 412 | 20 | 80.0 | 1875 | 14 | US-10-192-016-389 | Sequence 389, App | 485 |
| 413 | 20 | 80.0 | 1875 | 14 | US-10-194-362-389 | Sequence 389, App | 486 |
| 414 | 20 | 80.0 | 1875 | 14 | US-10-194-364-389 | Sequence 389, App | 487 |
| 415 | 20 | 80.0 | 1875 | 14 | US-10-194-395-389 | Sequence 389, App | 488 |
| 416 | 20 | 80.0 | 1875 | 14 | US-10-194-424-389 | Sequence 389, App | 489 |
| 417 | 20 | 80.0 | 1875 | 14 | US-10-194-458-389 | Sequence 389, App | 490 |
| 418 | 20 | 80.0 | 1875 | 14 | US-10-194-459-389 | Sequence 389, App | 491 |
| 419 | 20 | 80.0 | 1875 | 14 | US-10-194-488-389 | Sequence 389, App | 492 |
| 420 | 20 | 80.0 | 1875 | 14 | US-10-195-886-389 | Sequence 389, App | 493 |
| 421 | 20 | 80.0 | 1875 | 14 | US-10-195-891-389 | Sequence 389, App | 494 |
| 422 | 20 | 80.0 | 1875 | 14 | US-10-196-752-389 | Sequence 389, App | 495 |
| 423 | 20 | 80.0 | 1875 | 14 | US-10-196-752-389 | Sequence 389, App | 496 |
| 424 | 20 | 80.0 | 1875 | 14 | US-10-196-753-389 | Sequence 389, App | 497 |
| 425 | 20 | 80.0 | 1875 | 14 | US-10-196-761-389 | Sequence 389, App | 498 |
| 426 | 20 | 80.0 | 1875 | 14 | US-10-197-692-389 | Sequence 389, App | 499 |
| 427 | 20 | 80.0 | 1875 | 14 | US-10-197-693-389 | Sequence 389, App | 500 |
| 428 | 20 | 80.0 | 1875 | 14 | US-10-197-696-389 | Sequence 389, App | 501 |
| 429 | 20 | 80.0 | 1875 | 14 | US-10-197-698-389 | Sequence 389, App | 502 |
| 430 | 20 | 80.0 | 1875 | 14 | US-10-197-703-389 | Sequence 389, App | 503 |
| 431 | 20 | 80.0 | 1875 | 14 | US-10-197-711-389 | Sequence 389, App | 504 |
| 432 | 20 | 80.0 | 1875 | 14 | US-10-198-757-389 | Sequence 389, App | 505 |
| 433 | 20 | 80.0 | 1875 | 14 | US-10-198-761-389 | Sequence 389, App | 506 |
| 434 | 20 | 80.0 | 1875 | 14 | US-10-198-762-389 | Sequence 389, App | 507 |
| 435 | 20 | 80.0 | 1875 | 14 | US-10-198-763-389 | Sequence 389, App | 508 |
| 436 | 20 | 80.0 | 1875 | 14 | US-10-198-767-389 | Sequence 389, App | 509 |
| 437 | 20 | 80.0 | 1875 | 14 | US-10-199-301-389 | Sequence 389, App | 510 |
| 438 | 20 | 80.0 | 1875 | 14 | US-10-199-307-389 | Sequence 389, App | 511 |
| 439 | 20 | 80.0 | 1875 | 14 | US-10-199-312-389 | Sequence 389, App | 512 |
| 440 | 20 | 80.0 | 1875 | 14 | US-10-199-315-389 | Sequence 389, App | 513 |
| 441 | 20 | 80.0 | 1875 | 14 | US-10-199-457-389 | Sequence 389, App | 514 |
| 442 | 20 | 80.0 | 1875 | 14 | US-10-199-457-389 | Sequence 389, App | 515 |
| 443 | 20 | 80.0 | 1875 | 14 | US-10-199-459-389 | Sequence 389, App | 516 |
| 444 | 20 | 80.0 | 1875 | 14 | US-10-199-460-389 | Sequence 389, App | 517 |
| 445 | 20 | 80.0 | 1875 | 14 | US-10-199-461-389 | Sequence 389, App | 518 |
| 446 | 20 | 80.0 | 1875 | 14 | US-10-199-667-389 | Sequence 389, App | 519 |
| 447 | 20 | 80.0 | 1875 | 14 | US-10-199-673-389 | Sequence 389, App | 520 |
| 448 | 20 | 80.0 | 1875 | 14 | US-10-201-321-389 | Sequence 389, App | 521 |
| 449 | 20 | 80.0 | 1875 | 14 | US-10-201-322-389 | Sequence 389, App | 522 |
| 450 | 20 | 80.0 | 1875 | 14 | US-10-201-326-389 | Sequence 389, App | 523 |
| 451 | 20 | 80.0 | 1875 | 14 | US-10-201-532-389 | Sequence 389, App | 524 |
| 452 | 20 | 80.0 | 1875 | 14 | US-10-201-533-389 | Sequence 389, App | 525 |
| 453 | 20 | 80.0 | 1875 | 14 | US-10-201-535-389 | Sequence 389, App | 526 |
| 454 | 20 | 80.0 | 1875 | 14 | US-10-201-759-389 | Sequence 389, App | 527 |
| 455 | 20 | 80.0 | 1875 | 14 | US-10-201-771-389 | Sequence 389, App | 528 |
| 456 | 20 | 80.0 | 1875 | 14 | US-10-202-410-389 | Sequence 389, App | 529 |
| 457 | 20 | 80.0 | 1875 | 14 | US-10-202-473-389 | Sequence 389, App | 530 |
| 458 | 20 | 80.0 | 1875 | 14 | US-10-202-474-389 | Sequence 389, App | 531 |
| 459 | 20 | 80.0 | 1875 | 14 | US-10-202-474-389 | Sequence 389, App | 532 |
| 460 | 20 | 80.0 | 1875 | 14 | US-10-205-503-389 | Sequence 389, App | 533 |
| 461 | 20 | 80.0 | 1875 | 14 | US-10-205-512-389 | Sequence 389, App | 534 |
| 462 | 20 | 80.0 | 1875 | 14 | US-10-205-992-389 | Sequence 389, App | 535 |
| 463 | 20 | 80.0 | 1875 | 14 | US-10-205-994-389 | Sequence 389, App | 536 |
| 464 | 20 | 80.0 | 1875 | 14 | US-10-205-996-389 | Sequence 389, App | 537 |
| 465 | 20 | 80.0 | 1875 | 14 | US-10-205-998-389 | Sequence 389, App | 538 |
| 466 | 20 | 80.0 | 1875 | 14 | US-10-205-903-389 | Sequence 389, App | 539 |
| 467 | 20 | 80.0 | 1875 | 14 | US-10-206-914-389 | Sequence 389, App | 540 |
| 468 | 20 | 80.0 | 1875 | 14 | US-10-206-909-389 | Sequence 389, App | 541 |
| 469 | 20 | 80.0 | 1875 | 14 | US-10-206-910-389 | Sequence 389, App | 542 |
| 470 | 20 | 80.0 | 1875 | 14 | US-10-206-921-389 | Sequence 389, App | 543 |
| 471 | 20 | 80.0 | 1875 | 14 | US-10-206-911-389 | Sequence 389, App | 544 |
| 472 | 20 | 80.0 | 1875 | 14 | US-10-206-913-389 | Sequence 389, App | 545 |
| 473 | 20 | 80.0 | 1875 | 14 | US-10-206-914-389 | Sequence 389, App | 546 |
| 474 | 20 | 80.0 | 1875 | 14 | US-10-206-920-389 | Sequence 389, App | 547 |
| 475 | 20 | 80.0 | 1875 | 14 | US-10-207-917-389 | Sequence 389, App | 548 |
| 476 | 20 | 80.0 | 1875 | 14 | US-10-206-921-389 | Sequence 389, App | 549 |
| 477 | 20 | 80.0 | 1875 | 14 | US-10-206-925-389 | Sequence 389, App | 550 |
| 478 | 20 | 80.0 | 1875 | 14 | US-10-206-926-389 | Sequence 389, App | 551 |
| 479 | 20 | 80.0 | 1875 | 14 | US-10-206-927-389 | Sequence 389, App | 552 |
| 480 | 20 | 80.0 | 1875 | 14 | US-10-207-916-389 | Sequence 389, App | 553 |
| 481 | 20 | 80.0 | 1875 | 14 | US-10-207-917-389 | Sequence 389, App | 554 |
| 482 | 20 | 80.0 | 1875 | 14 | US-10-207-918-389 | Sequence 389, App | 555 |
| 483 | 20 | 80.0 | 1875 | 14 | US-10-207-919-389 | Sequence 389, App | 556 |
| 484 | 20 | 80.0 | 1875 | 14 | US-10-207-920-389 | Sequence 389, App | 557 |
| 485 | 20 | 80.0 | 1875 | 14 | US-10-207-925-389 | Sequence 389, App | 558 |
| 486 | 20 | 80.0 | 1875 | 14 | US-10-208-021-389 | Sequence 389, App | 559 |
| 487 | 20 | 80.0 | 1875 | 14 | US-10-208-022-389 | Sequence 389, App | 560 |
| 488 | 20 | 80.0 | 1875 | 14 | US-10-208-023-389 | Sequence 389, App | 561 |
| 489 | 20 | 80.0 | 1875 | 14 | US-10-208-026-389 | Sequence 389, App | 562 |
| 490 | 20 | 80.0 | 1875 | 14 | US-10-208-030-389 | Sequence 389, App | 563 |
| 491 | 20 | 80.0 | 1875 | 14 | US-10-208-032-389 | Sequence 389, App | 564 |
| 492 | 20 | 80.0 | 1875 | 14 | US-10-232-322-389 | Sequence 389, App | 565 |
| 493 | 20 | 80.0 | 1875 | 14 | US-10-195-898-389 | Sequence 389, App | 566 |
| 494 | 20 | 80.0 | 1875 | 14 | US-10-196-753-389 | Sequence 389, App | 567 |
| 495 | 20 | 80.0 | 1875 | 14 | US-10-174-578-389 | Sequence 389, App | 568 |
| 496 | 20 | 80.0 | 1875 | 14 | US-10-175-741-389 | Sequence 389, App | 569 |
| 497 | 20 | 80.0 | 1875 | 14 | US-10-175-750-389 | Sequence 389, App | 570 |
| 498 | 20 | 80.0 | 1875 | 14 | US-10-175-750-389 | Sequence 389, App | 571 |
| 499 | 20 | 80.0 | 1875 | 14 | US-10-176-986-389 | Sequence 389, App | 572 |
| 500 | 20 | 80.0 | 1875 | 14 | US-10-184-641-389 | Sequence 389, App | 573 |
| 501 | 20 | 80.0 | 1875 | 14 | US-10-187-688-389 | Sequence 389, App | 574 |
| 502 | 20 | 80.0 | 1875 | 14 | US-10-194-360-389 | Sequence 389, App | 575 |
| 503 | 20 | 80.0 | 1875 | 14 | US-10-194-365-389 | Sequence 389, App | 576 |
| 504 | 20 | 80.0 | 1875 | 14 | US-10-195-895-389 | Sequence 389, App | 577 |
| 505 | 20 | 80.0 | 1875 | 14 | US-10-199-902-389 | Sequence 389, App | 578 |
| 506 | 20 | 80.0 | 1875 | 14 | US-10-201-323-389 | Sequence 389, App | 579 |
| 507 | 20 | 80.0 | 1875 | 14 | US-10-205-510-389 | Sequence 389, App | 580 |
| 508 | 20 | 80.0 | 1875 | 14 | US-10-205-901-389 | Sequence 389, App | 581 |
| 509 | 20 | 80.0 | 1875 | 14 | US-10-206-917-389 | Sequence 389, App | 582 |
| 510 | 20 | 80.0 | 1875 | 14 | US-10-207-923-389 | Sequence 389, App | 583 |
| 511 | 20 | 80.0 | 1875 | 14 | US-10-207-924-389 | Sequence 389, App | 584 |
| 512 | 20 | 80.0 | 1875 | 14 | US-10-208-028-389 | Sequence 389, App | 585 |
| 513 | 20 | 80.0 | 1875 | 14 | US-10-205-904-389 | Sequence 389, App | 586 |
| 514 | 20 | 80.0 | 1875 | 14 | US-10-175-753-389 | Sequence 389, App | 587 |
| 515 | 20 | 80.0 | 1875 | 14 | US-10-180-553-389 | Sequence 389, App | 588 |
| 516 | 20 | 80.0 | 1875 | 14 | US-10-201-327-389 | Sequence 389, App | 589 |
| 517 | 20 | 80.0 | 1875 | 14 | US-10-201-062-389 | Sequence 389, App | 590 |
| 518 | 20 | 80.0 | 1875 | 14 | US-10-183-016-389 | Sequence 389, App | 591 |
| 519 | 20 | 80.0 | 1875 | 14 | US-10-183-016-389 | Sequence 389, App | 592 |
| 520 | 20 | 80.0 | 1875 | 14 | US-10-173-696-389 | Sequence 389, App | 593 |
| 521 | 20 | 80.0 | 1875 | 14 | US-10-125-923A-389 | Sequence 389, App | 594 |
| 522 | 20 | 80.0 | 1875 | 14 | US-10-176-491-389 | Sequence 389, App | 595 |
| 523 | 20 | 80.0 | 1875 | 14 | US-10-176-979-389 | Sequence 389, App | 596 |
| 524 | 20 | 80.0 | 1875 | 14 | US-10-187-592-389 | Sequence 389, App | 597 |
| 525 | 20 | 80.0 | 1875 | 14 | US-10-197-691-389 | Sequence 389, App | 598 |
| 526 | 20 | 80.0 | 1875 | 14 | US-10-198-771-389 | Sequence 389, App | 599 |
| 527 | 20 | 80.0 | 1875 | 14 | US-10-174-575 | | |

| | | | | | | | | | | | | | |
|-----|----|------|-------|----|----------------------|----------------------|-------|----|------|---------|----|----------------------|----------------------|
| 528 | 20 | 80.0 | 1875 | 14 | US-10-179-520-389 | Sequence 389, App | C 601 | 20 | 80.0 | 54000 | 12 | US-09-843-377-11 | Sequence 11, Appl |
| 529 | 20 | 80.0 | 1875 | 14 | US-10-201-325-389 | Sequence 389, App | C 602 | 20 | 80.0 | 65608 | 9 | US-09-962-436-292 | Sequence 292, App |
| 530 | 20 | 80.0 | 1875 | 14 | US-10-202-941-389 | Sequence 389, App | C 603 | 20 | 80.0 | 65608 | 10 | US-09-962-436-292 | Sequence 119, App |
| 531 | 20 | 80.0 | 1875 | 14 | US-10-205-910-389 | Sequence 389, App | C 604 | 20 | 80.0 | 65608 | 10 | US-09-954-531-180 | Sequence 180, App |
| 532 | 20 | 80.0 | 1875 | 14 | US-10-179-526-389 | Sequence 389, App | C 605 | 20 | 80.0 | 73467 | 14 | US-10-237-853-3 | Sequence 3, Appl |
| 533 | 20 | 80.0 | 1875 | 14 | US-10-173-701-389 | Sequence 389, App | C 606 | 20 | 80.0 | 89338 | 12 | US-09-873-367C-332 | Sequence 332, App |
| 534 | 20 | 80.0 | 1875 | 14 | US-10-179-511-389 | Sequence 389, App | C 607 | 20 | 80.0 | 98829 | 14 | US-10-017-724-3 | Sequence 3, Appl |
| 535 | 20 | 80.0 | 1875 | 14 | US-10-179-518-389 | Sequence 389, App | C 608 | 20 | 80.0 | 98829 | 14 | US-09-880-107-3448 | Sequence 3428, App |
| 536 | 20 | 80.0 | 1875 | 14 | US-10-183-018-389 | Sequence 389, App | C 609 | 20 | 80.0 | 106344 | 11 | US-09-910-188-10 | Sequence 10, Appl |
| 537 | 20 | 80.0 | 1875 | 14 | US-10-184-624-389 | Sequence 389, App | C 610 | 20 | 80.0 | 143899 | 11 | US-09-972-546-15 | Sequence 15, Appl |
| 538 | 20 | 80.0 | 1875 | 14 | US-10-184-657-389 | Sequence 389, App | C 611 | 20 | 80.0 | 203654 | 10 | US-09-820-905-3 | Sequence 3, Appl |
| 539 | 20 | 80.0 | 1875 | 14 | US-10-197-701-389 | Sequence 389, App | C 612 | 20 | 80.0 | 250000 | 12 | US-10-225-810-26 | Sequence 26, Appl |
| 540 | 20 | 80.0 | 1875 | 14 | US-10-197-706-389 | Sequence 389, App | C 613 | 20 | 80.0 | 300000 | 14 | US-10-262-552-33 | Sequence 33, Appl |
| 541 | 20 | 80.0 | 1875 | 14 | US-10-201-857-389 | Sequence 389, App | C 614 | 20 | 80.0 | 302250 | 10 | US-09-962-902-154 | Sequence 154, Appl |
| 542 | 20 | 80.0 | 1875 | 14 | US-10-202-413-389 | Sequence 389, App | C 615 | 20 | 80.0 | 323210 | 12 | US-10-060-902-1 | Sequence 1, Appl |
| 543 | 20 | 80.0 | 1875 | 14 | US-10-202-938-389 | Sequence 389, App | C 616 | 20 | 80.0 | 169139 | 14 | US-10-067-554-1 | Sequence 1, Appl |
| 544 | 20 | 80.0 | 1875 | 14 | US-10-202-940-389 | Sequence 389, App | C 617 | 20 | 80.0 | 2540917 | 13 | US-10-027-632-174763 | Sequence 174763, App |
| 545 | 20 | 80.0 | 1875 | 14 | US-10-205-508-389 | Sequence 389, App | C 618 | 20 | 80.0 | 80 | 12 | US-10-329-465-291 | Sequence 291, App |
| 546 | 20 | 80.0 | 1875 | 14 | US-10-205-905-389 | Sequence 389, App | C 619 | 20 | 80.0 | 81 | 14 | US-10-239-316-39 | Sequence 39, Appl |
| 547 | 20 | 80.0 | 1875 | 14 | US-10-206-918-389 | Sequence 389, App | C 620 | 20 | 80.0 | 83 | 11 | US-09-764-891-6171 | Sequence 6171, App |
| 548 | 20 | 80.0 | 1875 | 14 | US-10-208-025-389 | Sequence 389, App | C 621 | 20 | 80.0 | 90 | 9 | US-09-764-887-601 | Sequence 601, App |
| 549 | 20 | 80.0 | 1875 | 14 | US-10-226-739-136 | Sequence 389, App | C 622 | 20 | 80.0 | 90 | 14 | US-10-073-961-601 | Sequence 601, App |
| 550 | 20 | 80.0 | 1875 | 14 | US-10-198-760-389 | Sequence 389, App | C 623 | 20 | 80.0 | 95 | 9 | US-09-764-869-2069 | Sequence 2069, App |
| 551 | 20 | 80.0 | 1875 | 14 | US-10-201-772-389 | Sequence 389, App | C 624 | 20 | 80.0 | 95 | 14 | US-09-764-869-2069 | Sequence 2069, App |
| 552 | 20 | 80.0 | 1875 | 14 | US-10-184-613-389 | Sequence 389, App | C 625 | 20 | 80.0 | 95 | 11 | US-09-764-893-7051 | Sequence 7051, App |
| 553 | 20 | 80.0 | 1875 | 14 | US-10-187-739-389 | Sequence 389, App | C 626 | 20 | 80.0 | 95 | 14 | US-10-091-504-2069 | Sequence 2069, App |
| 554 | 20 | 80.0 | 1875 | 14 | US-10-206-907-389 | Sequence 389, App | C 627 | 20 | 80.0 | 98 | 9 | US-09-764-869-2167 | Sequence 2167, App |
| 555 | 20 | 80.0 | 1875 | 14 | US-10-183-009-389 | Sequence 389, App | C 628 | 20 | 80.0 | 98 | 14 | US-10-091-504-2198 | Sequence 2198, App |
| 556 | 20 | 80.0 | 1875 | 14 | US-10-187-755-389 | Sequence 389, App | C 629 | 20 | 80.0 | 98 | 14 | US-10-091-504-2198 | Sequence 2198, App |
| 557 | 20 | 80.0 | 2104 | 11 | US-09-853-133-1 | Sequence 1, Appl | C 630 | 20 | 80.0 | 100 | 9 | US-09-764-887-600 | Sequence 600, App |
| 558 | 20 | 80.0 | 2169 | 13 | US-10-027-632-102462 | Sequence 102462, App | C 631 | 20 | 80.0 | 100 | 14 | US-10-073-961-600 | Sequence 600, App |
| 559 | 20 | 80.0 | 2236 | 13 | US-10-027-632-252760 | Sequence 252760, App | C 632 | 20 | 80.0 | 101 | 11 | US-09-764-891-7950 | Sequence 7950, App |
| 560 | 20 | 80.0 | 2236 | 13 | US-10-027-632-252761 | Sequence 252761, App | C 633 | 20 | 80.0 | 101 | 11 | US-09-764-891-7950 | Sequence 7950, App |
| 561 | 20 | 80.0 | 2529 | 14 | US-09-764-847-1859 | Sequence 1859, App | C 634 | 20 | 80.0 | 101 | 14 | US-10-205-428-865 | Sequence 865, App |
| 562 | 20 | 80.0 | 2529 | 14 | US-10-092-154-1859 | Sequence 1859, App | C 635 | 20 | 80.0 | 102 | 14 | US-09-764-877-3352 | Sequence 3352, App |
| 563 | 20 | 80.0 | 2529 | 14 | US-10-027-632-11979 | Sequence 11979, App | C 636 | 20 | 80.0 | 102 | 11 | US-09-764-891-8272 | Sequence 8272, App |
| 564 | 20 | 80.0 | 2982 | 13 | US-10-027-632-11433 | Sequence 11433, App | C 637 | 20 | 80.0 | 105 | 9 | US-09-764-860-979 | Sequence 979, App |
| 565 | 20 | 80.0 | 3164 | 12 | US-10-325-430-19 | Sequence 19, Appl | C 638 | 20 | 80.0 | 105 | 11 | US-09-764-891-9198 | Sequence 9198, App |
| 566 | 20 | 80.0 | 3164 | 12 | US-10-192-440-1 | Sequence 1, Appl | C 639 | 20 | 80.0 | 105 | 14 | US-10-091-557-774 | Sequence 774, App |
| 567 | 20 | 80.0 | 3267 | 13 | US-10-027-632-114979 | Sequence 114979, App | C 640 | 20 | 80.0 | 105 | 14 | US-10-074-095-979 | Sequence 979, App |
| 568 | 20 | 80.0 | 3365 | 13 | US-10-027-632-258792 | Sequence 258792, App | C 641 | 20 | 80.0 | 107 | 19 | US-09-764-869-2068 | Sequence 2068, App |
| 569 | 20 | 80.0 | 3803 | 12 | US-10-076-934-1 | Sequence 1, Appl | C 642 | 20 | 80.0 | 107 | 14 | US-10-091-504-2068 | Sequence 2068, App |
| 570 | 20 | 80.0 | 3804 | 12 | US-10-143-238-1 | Sequence 1, Appl | C 643 | 20 | 80.0 | 110 | 9 | US-09-764-860-792 | Sequence 792, App |
| 571 | 20 | 80.0 | 3806 | 11 | US-09-835-297-3 | Sequence 3, Appl | C 644 | 20 | 80.0 | 110 | 14 | US-09-764-860-792 | Sequence 792, App |
| 572 | 20 | 80.0 | 5000 | 9 | US-09-791-105-1 | Sequence 1, Appl | C 645 | 20 | 80.0 | 114 | 10 | US-09-764-884-1408 | Sequence 1408, App |
| 573 | 20 | 80.0 | 5131 | 9 | US-09-764-877-3800 | Sequence 3800, App | C 646 | 20 | 80.0 | 114 | 10 | US-09-764-884-1408 | Sequence 1408, App |
| 574 | 20 | 80.0 | 5139 | 10 | US-09-764-877-3802 | Sequence 3802, App | C 647 | 20 | 80.0 | 114 | 11 | US-09-764-877-3352 | Sequence 3352, App |
| 575 | 20 | 80.0 | 5814 | 10 | US-09-764-847-1860 | Sequence 1860, App | C 648 | 20 | 80.0 | 114 | 14 | US-10-092-154-1408 | Sequence 1408, App |
| 576 | 20 | 80.0 | 5814 | 14 | US-10-092-154-1860 | Sequence 1860, App | C 649 | 20 | 80.0 | 114 | 14 | US-10-092-154-1409 | Sequence 1409, App |
| 577 | 20 | 80.0 | 8886 | 9 | US-09-764-878-412 | Sequence 412, App | C 650 | 20 | 80.0 | 114 | 14 | US-10-074-095-792 | Sequence 792, App |
| 578 | 20 | 80.0 | 8886 | 9 | US-10-079-854-412 | Sequence 412, App | C 651 | 20 | 80.0 | 118 | 10 | US-09-860-670-234 | Sequence 234, App |
| 579 | 20 | 80.0 | 8887 | 9 | US-09-764-878-414 | Sequence 414, App | C 652 | 20 | 80.0 | 120 | 9 | US-09-764-860-659 | Sequence 659, App |
| 580 | 20 | 80.0 | 8887 | 14 | US-10-079-854-414 | Sequence 414, App | C 653 | 20 | 80.0 | 120 | 11 | US-09-764-891-8469 | Sequence 8469, App |
| 581 | 20 | 80.0 | 10634 | 11 | US-09-764-891-816 | Sequence 816, App | C 654 | 20 | 80.0 | 120 | 14 | US-10-074-095-659 | Sequence 659, App |
| 582 | 20 | 80.0 | 11838 | 11 | US-09-764-891-7020 | Sequence 7020, App | C 655 | 20 | 80.0 | 122 | 10 | US-09-764-884-1855 | Sequence 1855, App |
| 583 | 20 | 80.0 | 16162 | 10 | US-09-764-877-2322 | Sequence 2322, App | C 656 | 20 | 80.0 | 123 | 10 | US-09-764-884-1855 | Sequence 1855, App |
| 584 | 20 | 80.0 | 18878 | 10 | US-09-764-877-3806 | Sequence 3806, App | C 657 | 20 | 80.0 | 123 | 14 | US-10-092-154-1855 | Sequence 1855, App |
| 585 | 20 | 80.0 | 25309 | 12 | US-10-365-564-3 | Sequence 3, Appl | C 658 | 20 | 80.0 | 124 | 11 | US-09-764-891-8786 | Sequence 8786, App |
| 586 | 20 | 80.0 | 25309 | 14 | US-10-291-737-3 | Sequence 3, Appl | C 659 | 20 | 80.0 | 125 | 11 | US-09-764-891-8786 | Sequence 8786, App |
| 587 | 20 | 80.0 | 28588 | 9 | US-09-764-887-399 | Sequence 399, App | C 660 | 20 | 80.0 | 125 | 11 | US-09-764-891-6089 | Sequence 6089, App |
| 588 | 20 | 80.0 | 28588 | 14 | US-10-073-961-399 | Sequence 399, App | C 661 | 20 | 80.0 | 125 | 11 | US-09-764-891-6091 | Sequence 6091, App |
| 589 | 20 | 80.0 | 31994 | 9 | US-09-764-860-599 | Sequence 599, App | C 662 | 20 | 80.0 | 125 | 11 | US-09-764-889-8468 | Sequence 8468, App |
| 590 | 20 | 80.0 | 31994 | 14 | US-10-091-548-71 | Sequence 71, Appl | C 663 | 20 | 80.0 | 125 | 9 | US-09-764-860-2373 | Sequence 2373, App |
| 591 | 20 | 80.0 | 31994 | 14 | US-10-091-548-71 | Sequence 71, Appl | C 664 | 20 | 80.0 | 126 | 14 | US-10-091-504-2373 | Sequence 2373, App |
| 592 | 20 | 80.0 | 32082 | 11 | US-09-764-891-9699 | Sequence 9699, App | C 665 | 20 | 80.0 | 129 | 10 | US-09-783-590-10234 | Sequence 10234, A |
| 593 | 20 | 80.0 | 32167 | 11 | US-09-764-891-6763 | Sequence 6763, App | C 666 | 20 | 80.0 | 129 | 10 | US-09-764-884-1975 | Sequence 1975, App |
| 594 | 20 | 80.0 | 32167 | 11 | US-09-764-891-6763 | Sequence 6763, App | C 667 | 20 | 80.0 | 129 | 14 | US-10-092-154-1975 | Sequence 1975, App |
| 595 | 20 | 80.0 | 32248 | 10 | US-09-764-864-1769 | Sequence 8197, App | C 668 | 20 | 80.0 | 130 | 10 | US-09-764-877-4006 | Sequence 4006, App |
| 596 | 20 | 80.0 | 32248 | 10 | US-09-764-864-1769 | Sequence 8197, App | C 669 | 20 | 80.0 | 131 | 10 | US-09-764-877-2688 | Sequence 2688, App |
| 597 | 20 | 80.0 | 32248 | 10 | US-09-764-877-3487 | Sequence 3487, App | C 670 | 20 | 80.0 | 134 | 10 | US-09-764-868-1488 | Sequence 1488, App |
| 598 | 20 | 80.0 | 34118 | 12 | US-10-017-161-1071 | Sequence 1071, App | C 671 | 20 | 80.0 | 134 | 10 | US-09-764-868-1490 | Sequence 1490, App |
| 599 | 20 | 80.0 | 36400 | 12 | US-10-225-810-10 | Sequence 10, Appl | C 672 | 20 | 80.0 | 136 | 11 | US-09-764-891-7717 | Sequence 7717, App |
| 600 | 20 | 80.0 | 49984 | 9 | US-09-739-457-5 | Sequence 5, Appl | C 673 | 20 | 80.0 | 137 | 10 | US-09-974-300-7413 | Sequence 7413, App |

| | | | | | | | | | | | | | |
|-----|----|------|-----|----|----------------------|--------------------|-------|----|------|-----|----|----------------------|--------------------|
| 674 | 19 | 76.0 | 137 | 14 | US-10-001-469-2871 | Sequence 2871, Ap | C 747 | 19 | 76.0 | 276 | 11 | US-09-764-891-5818 | Sequence 5818, Ap |
| 675 | 19 | 76.0 | 138 | 9 | US-09-764-869-2218 | Sequence 2218, Ap | C 748 | 19 | 76.0 | 277 | 10 | US-09-867-701-8140 | Sequence 8140, Ap |
| 676 | 19 | 76.0 | 138 | 11 | US-09-764-872-575 | Sequence 575, App | C 749 | 19 | 76.0 | 284 | 10 | US-09-867-701-58 | Sequence 58, App1 |
| 677 | 19 | 76.0 | 138 | 11 | US-09-764-872-578 | Sequence 578, App | C 750 | 19 | 76.0 | 285 | 11 | US-09-803-719-156 | Sequence 156, App |
| 678 | 19 | 76.0 | 138 | 11 | US-10-091-504-2228 | Sequence 2218, Ap | C 751 | 19 | 76.0 | 285 | 14 | US-10-102-627-106 | Sequence 106, App |
| 679 | 19 | 76.0 | 140 | 11 | US-09-764-891-7695 | Sequence 7695, Ap | C 752 | 19 | 76.0 | 287 | 10 | US-09-867-701-7272 | Sequence 7272, Ap |
| 680 | 19 | 76.0 | 141 | 10 | US-09-764-872-2636 | Sequence 2636, Ap | C 753 | 19 | 76.0 | 287 | 10 | US-09-764-866-1476 | Sequence 1476, Ap |
| 681 | 19 | 76.0 | 141 | 11 | US-09-764-872-661 | Sequence 661, App | C 754 | 19 | 76.0 | 288 | 10 | US-09-764-877-3340 | Sequence 3340, Ap |
| 682 | 19 | 76.0 | 146 | 11 | US-09-764-891-7694 | Sequence 7694, Ap | C 755 | 19 | 76.0 | 289 | 10 | US-09-764-878-2732 | Sequence 2732, Ap |
| 683 | 19 | 76.0 | 152 | 11 | US-09-764-872-863 | Sequence 863, App | C 756 | 19 | 76.0 | 291 | 10 | US-09-964-824A-509 | Sequence 509, App |
| 684 | 19 | 76.0 | 152 | 11 | US-09-764-891-7881 | Sequence 7881, Ap | C 757 | 19 | 76.0 | 291 | 10 | US-09-969-347-1 | Sequence 1, App1 |
| 685 | 19 | 76.0 | 152 | 14 | US-10-001-469-2869 | Sequence 2869, Ap | C 758 | 19 | 76.0 | 292 | 11 | US-09-764-891-6009 | Sequence 6009, Ap |
| 686 | 19 | 76.0 | 154 | 10 | US-09-764-847-1662 | Sequence 1662, Ap | C 759 | 19 | 76.0 | 292 | 13 | US-10-040-733-673 | Sequence 673, App |
| 687 | 19 | 76.0 | 154 | 14 | US-10-092-154-1662 | Sequence 1662, Ap | C 760 | 19 | 76.0 | 294 | 10 | US-09-772-719-61 | Sequence 61, App1 |
| 688 | 19 | 76.0 | 158 | 9 | US-09-908-711-164 | Sequence 164, App | C 761 | 19 | 76.0 | 294 | 11 | US-09-967-237-61 | Sequence 61, App1 |
| 689 | 19 | 76.0 | 158 | 9 | US-09-764-860-1049 | Sequence 1049, Ap | C 762 | 19 | 76.0 | 295 | 9 | US-09-815-343-327 | Sequence 327, App |
| 690 | 19 | 76.0 | 158 | 11 | US-09-764-891-8484 | Sequence 8484, Ap | C 763 | 19 | 76.0 | 296 | 10 | US-09-867-701-3551 | Sequence 3551, Ap |
| 691 | 19 | 76.0 | 158 | 11 | US-10-074-095-1049 | Sequence 1049, Ap | C 764 | 19 | 76.0 | 296 | 10 | US-09-867-701-7573 | Sequence 7573, Ap |
| 692 | 19 | 76.0 | 160 | 9 | US-09-764-860-598 | Sequence 598, App | C 765 | 19 | 76.0 | 299 | 10 | US-09-764-868-1441 | Sequence 1441, Ap |
| 693 | 19 | 76.0 | 160 | 14 | US-10-074-095-598 | Sequence 598, App | C 766 | 19 | 76.0 | 300 | 13 | US-10-013-329-3 | Sequence 3, App1 |
| 694 | 19 | 76.0 | 165 | 11 | US-09-764-891-8720 | Sequence 8720, Ap | C 767 | 19 | 76.0 | 301 | 10 | US-09-764-847-1722 | Sequence 1722, Ap |
| 695 | 19 | 76.0 | 171 | 9 | US-09-764-860-660 | Sequence 660, App | C 768 | 19 | 76.0 | 301 | 14 | US-10-092-154-1722 | Sequence 1722, Ap |
| 696 | 19 | 76.0 | 171 | 14 | US-10-074-095-660 | Sequence 660, App | C 769 | 19 | 76.0 | 301 | 15 | US-10-255-434-1 | Sequence 1, App1 |
| 697 | 19 | 76.0 | 175 | 14 | US-10-001-469-2873 | Sequence 2873, Ap | C 770 | 19 | 76.0 | 301 | 15 | US-10-255-434-2 | Sequence 2, App1 |
| 698 | 19 | 76.0 | 183 | 10 | US-09-974-300-7929 | Sequence 7929, Ap | C 771 | 19 | 76.0 | 303 | 10 | US-09-764-847-1536 | Sequence 1536, Ap |
| 699 | 19 | 76.0 | 186 | 10 | US-09-920-300A-381 | Sequence 381, App | C 772 | 19 | 76.0 | 303 | 14 | US-10-092-154-1536 | Sequence 1536, Ap |
| 700 | 19 | 76.0 | 186 | 12 | US-10-099-926-381 | Sequence 381, App | C 773 | 19 | 76.0 | 304 | 10 | US-09-867-701-7459 | Sequence 7459, Ap |
| 701 | 19 | 76.0 | 186 | 13 | US-10-033-528-381 | Sequence 381, App | C 774 | 19 | 76.0 | 304 | 10 | US-09-764-877-221 | Sequence 221, App |
| 702 | 19 | 76.0 | 190 | 10 | US-09-764-847-306 | Sequence 306, App | C 775 | 19 | 76.0 | 304 | 10 | US-09-764-877-2451 | Sequence 2451, App |
| 703 | 19 | 76.0 | 190 | 11 | US-09-764-881-171 | Sequence 171, App | C 776 | 19 | 76.0 | 307 | 10 | US-09-867-701-316 | Sequence 316, App |
| 704 | 19 | 76.0 | 190 | 14 | US-10-073-865-134 | Sequence 134, App | C 777 | 19 | 76.0 | 308 | 10 | US-09-867-701-7622 | Sequence 7622, Ap |
| 705 | 19 | 76.0 | 190 | 14 | US-10-092-154-306 | Sequence 306, App | C 778 | 19 | 76.0 | 308 | 10 | US-09-736-451-1111 | Sequence 1111, Ap |
| 706 | 19 | 76.0 | 199 | 9 | US-09-764-869-1608 | Sequence 1608, App | C 779 | 19 | 76.0 | 308 | 10 | US-09-902-941-1111 | Sequence 1111, Ap |
| 707 | 19 | 76.0 | 199 | 14 | US-10-091-504-1608 | Sequence 1608, Ap | C 780 | 19 | 76.0 | 308 | 10 | US-09-849-626-1111 | Sequence 1111, Ap |
| 708 | 19 | 76.0 | 203 | 10 | US-09-764-877-4031 | Sequence 4031, Ap | C 781 | 19 | 76.0 | 308 | 12 | US-10-113-872-1111 | Sequence 1111, Ap |
| 709 | 19 | 76.0 | 203 | 10 | US-09-860-670-152 | Sequence 152, App | C 782 | 19 | 76.0 | 308 | 14 | US-10-017-754-1111 | Sequence 1111, Ap |
| 710 | 19 | 76.0 | 210 | 11 | US-09-764-891-7750 | Sequence 7750, Ap | C 783 | 19 | 76.0 | 309 | 13 | US-10-017-754-1111 | Sequence 137, App |
| 711 | 19 | 76.0 | 215 | 10 | US-09-867-701-5201 | Sequence 5201, Ap | C 784 | 19 | 76.0 | 310 | 9 | US-09-764-877-514 | Sequence 514, App |
| 712 | 19 | 76.0 | 218 | 10 | US-09-764-877-375 | Sequence 375, App | C 785 | 19 | 76.0 | 310 | 14 | US-10-073-964-514 | Sequence 514, App |
| 713 | 19 | 76.0 | 218 | 12 | US-09-814-353-2927 | Sequence 2927, Ap | C 786 | 19 | 76.0 | 313 | 10 | US-09-764-877-628 | Sequence 628, App |
| 714 | 19 | 76.0 | 218 | 12 | US-09-814-353-9256 | Sequence 9256, Ap | C 787 | 19 | 76.0 | 316 | 10 | US-09-867-701-8139 | Sequence 8139, App |
| 715 | 19 | 76.0 | 219 | 10 | US-09-764-847-1310 | Sequence 1310, Ap | C 788 | 19 | 76.0 | 316 | 11 | US-09-764-872-524 | Sequence 524, App |
| 716 | 19 | 76.0 | 219 | 11 | US-09-764-891-9053 | Sequence 9053, Ap | C 789 | 19 | 76.0 | 318 | 10 | US-09-867-701-7369 | Sequence 7369, Ap |
| 717 | 19 | 76.0 | 219 | 14 | US-10-092-154-1310 | Sequence 1310, Ap | C 790 | 19 | 76.0 | 319 | 11 | US-09-803-719-1483 | Sequence 1483, Ap |
| 718 | 19 | 76.0 | 228 | 11 | US-09-764-891-2043 | Sequence 2043, Ap | C 791 | 19 | 76.0 | 321 | 11 | US-09-764-891-8279 | Sequence 8279, Ap |
| 719 | 19 | 76.0 | 235 | 13 | US-10-027-633-82758 | Sequence 82758, A | C 792 | 19 | 76.0 | 322 | 11 | US-09-764-891-1695 | Sequence 1695, Ap |
| 720 | 19 | 76.0 | 237 | 14 | US-10-060-036-873 | Sequence 873, App | C 793 | 19 | 76.0 | 323 | 14 | US-10-078-030-93 | Sequence 93, App1 |
| 721 | 19 | 76.0 | 240 | 10 | US-09-867-701-9455 | Sequence 9455, App | C 794 | 19 | 76.0 | 324 | 10 | US-09-764-877-2512 | Sequence 2512, Ap |
| 722 | 19 | 76.0 | 243 | 10 | US-09-764-861-1629 | Sequence 1629, Ap | C 795 | 19 | 76.0 | 325 | 11 | US-09-803-719-1990 | Sequence 1990, Ap |
| 723 | 19 | 76.0 | 246 | 11 | US-09-898-556A-11 | Sequence 11, App1 | C 796 | 19 | 76.0 | 325 | 14 | US-10-060-036-2882 | Sequence 2882, Ap |
| 724 | 19 | 76.0 | 247 | 10 | US-09-867-701-8563 | Sequence 8563, Ap | C 797 | 19 | 76.0 | 326 | 9 | US-09-764-860-910 | Sequence 910, App |
| 725 | 19 | 76.0 | 247 | 11 | US-09-764-877-3123 | Sequence 3123, Ap | C 798 | 19 | 76.0 | 326 | 9 | US-09-764-860-911 | Sequence 911, App |
| 726 | 19 | 76.0 | 250 | 11 | US-09-764-891-6636 | Sequence 6636, Ap | C 799 | 19 | 76.0 | 326 | 14 | US-10-074-095-910 | Sequence 910, App |
| 727 | 19 | 76.0 | 250 | 11 | US-09-764-891-6637 | Sequence 6637, Ap | C 800 | 19 | 76.0 | 326 | 14 | US-10-074-095-911 | Sequence 911, App |
| 728 | 19 | 76.0 | 250 | 14 | US-10-091-572-500 | Sequence 500, App | C 801 | 19 | 76.0 | 327 | 11 | US-09-803-719-998 | Sequence 998, App |
| 729 | 19 | 76.0 | 250 | 14 | US-10-091-572-501 | Sequence 501, App | C 802 | 19 | 76.0 | 328 | 13 | US-10-027-632-275310 | Sequence 275310 |
| 730 | 19 | 76.0 | 251 | 9 | US-09-764-860-652 | Sequence 652, App | C 803 | 19 | 76.0 | 330 | 13 | US-09-815-343-1273 | Sequence 1273, Ap |
| 731 | 19 | 76.0 | 251 | 14 | US-10-074-095-652 | Sequence 652, App | C 804 | 19 | 76.0 | 330 | 13 | US-10-027-632-11851 | Sequence 11851, A |
| 732 | 19 | 76.0 | 254 | 14 | US-10-060-036-1165 | Sequence 1165, Ap | C 805 | 19 | 76.0 | 331 | 9 | US-09-815-343-1029 | Sequence 1029, Ap |
| 733 | 19 | 76.0 | 257 | 10 | US-09-867-701-325 | Sequence 325, App | C 806 | 19 | 76.0 | 332 | 10 | US-09-867-701-4745 | Sequence 4745, Ap |
| 734 | 19 | 76.0 | 257 | 13 | US-10-027-633-288497 | Sequence 288497, A | C 807 | 19 | 76.0 | 332 | 10 | US-09-764-877-2542 | Sequence 2542, Ap |
| 735 | 19 | 76.0 | 257 | 13 | US-10-027-633-288498 | Sequence 288498, A | C 808 | 19 | 76.0 | 332 | 10 | US-09-796-692-6817 | Sequence 6817, Ap |
| 736 | 19 | 76.0 | 258 | 10 | US-09-764-847-1939 | Sequence 1939, Ap | C 809 | 19 | 76.0 | 332 | 11 | US-09-803-719-1339 | Sequence 1339, Ap |
| 737 | 19 | 76.0 | 258 | 14 | US-10-092-154-1939 | Sequence 1939, Ap | C 810 | 19 | 76.0 | 332 | 11 | US-10-040-662-6817 | Sequence 6817, Ap |
| 738 | 19 | 76.0 | 259 | 10 | US-09-764-877-3122 | Sequence 3122, Ap | C 811 | 19 | 76.0 | 334 | 11 | US-09-918-995-18018 | Sequence 18018, A |
| 739 | 19 | 76.0 | 264 | 9 | US-09-764-860-162 | Sequence 162, App | C 812 | 19 | 76.0 | 335 | 12 | US-09-918-995-15265 | Sequence 15265, A |
| 740 | 19 | 76.0 | 264 | 14 | US-09-867-701-306 | Sequence 306, App | C 813 | 19 | 76.0 | 335 | 11 | US-10-027-632-19997 | Sequence 1997, A |
| 741 | 19 | 76.0 | 264 | 14 | US-10-074-095-162 | Sequence 162, App | C 814 | 19 | 76.0 | 336 | 11 | US-09-871-161-17 | Sequence 17, App1 |
| 742 | 19 | 76.0 | 265 | 10 | US-09-878-193-2018 | Sequence 2018, Ap | C 815 | 19 | 76.0 | 337 | 10 | US-09-867-701-331 | Sequence 331, App |
| 743 | 19 | 76.0 | 265 | 13 | US-10-046-915-2018 | Sequence 2018, Ap | C 816 | 19 | 76.0 | 338 | 11 | US-09-764-891-6984 | Sequence 6984, Ap |
| 744 | 19 | 76.0 | 265 | 14 | US-10-146-502-2018 | Sequence 2018, Ap | C 817 | 19 | 76.0 | 339 | 11 | US-09-918-995-18287 | Sequence 18287, A |
| 745 | 19 | 76.0 | 273 | 10 | US-09-867-701-7464 | Sequence 7464, Ap | C 818 | 19 | 76.0 | 339 | 12 | US-09-843-377-10 | Sequence 10, App1 |
| 746 | 19 | 76.0 | 276 | 11 | US-09-764-891-5817 | Sequence 5817, Ap | C 819 | 19 | 76.0 | 339 | 14 | US-10-066-543-3415 | Sequence 3415, Ap |

| | | | | | | | | | | | | | |
|-------|----|------|-----|----|----------------------|--------------------|-------|----|------|-----|----|----------------------|--------------------|
| C 820 | 19 | 76.0 | 340 | 9 | US-09-764-860-218 | Sequence 218, App | 893 | 19 | 76.0 | 368 | 12 | US-10-113-872-1038 | Sequence 1038, App |
| C 821 | 19 | 76.0 | 340 | 14 | US-10-074-095-218 | Sequence 218, App | C 894 | 19 | 76.0 | 368 | 12 | US-10-113-872-1044 | Sequence 1044, App |
| C 822 | 19 | 76.0 | 341 | 11 | US-09-525-978B-2 | Sequence 2, Appl1 | C 895 | 19 | 76.0 | 368 | 12 | US-10-113-872-1092 | Sequence 1092, App |
| C 823 | 19 | 76.0 | 341 | 11 | US-09-918-995-18053 | Sequence 18053, A | C 896 | 19 | 76.0 | 368 | 12 | US-10-113-872-1584 | Sequence 1584, App |
| C 824 | 19 | 76.0 | 342 | 11 | US-09-764-891-8278 | Sequence 8278, App | C 897 | 19 | 76.0 | 368 | 14 | US-10-017-754-1003 | Sequence 1003, App |
| C 825 | 19 | 76.0 | 343 | 11 | US-09-918-995-25864 | Sequence 25864, A | C 898 | 19 | 76.0 | 368 | 14 | US-10-017-754-1038 | Sequence 1038, App |
| C 826 | 19 | 76.0 | 344 | 10 | US-09-796-692-5221 | Sequence 5221, App | C 899 | 19 | 76.0 | 368 | 14 | US-10-017-754-1044 | Sequence 1044, App |
| C 827 | 19 | 76.0 | 344 | 11 | US-09-764-891-1536 | Sequence 1536, App | C 900 | 19 | 76.0 | 368 | 14 | US-10-017-754-1092 | Sequence 1092, App |
| C 828 | 19 | 76.0 | 344 | 14 | US-10-040-862-5221 | Sequence 5221, App | C 901 | 19 | 76.0 | 368 | 14 | US-10-017-754-1584 | Sequence 1584, App |
| C 829 | 19 | 76.0 | 345 | 11 | US-09-803-719-1837 | Sequence 1837, App | C 902 | 19 | 76.0 | 369 | 10 | US-09-867-701-466 | Sequence 466, App |
| C 830 | 19 | 76.0 | 346 | 10 | US-09-867-701-7707 | Sequence 7707, App | C 903 | 19 | 76.0 | 369 | 10 | US-09-867-701-678 | Sequence 678, App |
| C 831 | 19 | 76.0 | 346 | 10 | US-09-998-598-444 | Sequence 444, App | C 904 | 19 | 76.0 | 369 | 11 | US-09-918-995-37474 | Sequence 37474, A |
| C 832 | 19 | 76.0 | 350 | 13 | US-10-027-632-20007 | Sequence 20007, A | C 905 | 19 | 76.0 | 370 | 10 | US-09-867-701-10031 | Sequence 10031, A |
| C 833 | 19 | 76.0 | 351 | 12 | US-09-814-353-911 | Sequence 911, App | C 906 | 19 | 76.0 | 372 | 13 | US-10-027-632-97389 | Sequence 97389, A |
| C 834 | 19 | 76.0 | 351 | 12 | US-09-814-353-7282 | Sequence 7282, App | C 907 | 19 | 76.0 | 373 | 13 | US-09-867-701-9213 | Sequence 9213, App |
| C 835 | 19 | 76.0 | 352 | 13 | US-10-027-632-259227 | Sequence 259227, A | C 908 | 19 | 76.0 | 373 | 10 | US-09-878-178-403 | Sequence 403, App |
| C 836 | 19 | 76.0 | 353 | 11 | US-09-867-701-7559 | Sequence 7559, App | C 909 | 19 | 76.0 | 373 | 11 | US-09-918-995-7549 | Sequence 7549, App |
| C 837 | 19 | 76.0 | 353 | 11 | US-09-803-719-762 | Sequence 762, App | C 910 | 19 | 76.0 | 373 | 13 | US-10-046-935-403 | Sequence 403, App |
| C 838 | 19 | 76.0 | 353 | 11 | US-09-764-891-8071 | Sequence 8071, App | C 911 | 19 | 76.0 | 373 | 13 | US-10-027-632-269384 | Sequence 269384, A |
| C 839 | 19 | 76.0 | 354 | 10 | US-09-867-701-6985 | Sequence 6985, App | C 912 | 19 | 76.0 | 373 | 14 | US-10-146-502-403 | Sequence 403, App |
| C 840 | 19 | 76.0 | 354 | 10 | US-09-867-701-8056 | Sequence 8056, App | C 913 | 19 | 76.0 | 374 | 10 | US-09-954-531-559 | Sequence 559, App |
| C 841 | 19 | 76.0 | 355 | 10 | US-09-867-701-7519 | Sequence 7519, App | C 914 | 19 | 76.0 | 374 | 11 | US-09-871-161-135 | Sequence 135, App |
| C 842 | 19 | 76.0 | 355 | 10 | US-09-867-701-7605 | Sequence 7605, App | C 915 | 19 | 76.0 | 375 | 9 | US-09-764-860-1086 | Sequence 1086, App |
| C 843 | 19 | 76.0 | 357 | 11 | US-09-918-995-7577 | Sequence 7577, App | C 916 | 19 | 76.0 | 375 | 9 | US-09-764-860-1087 | Sequence 1087, App |
| C 844 | 19 | 76.0 | 358 | 13 | US-10-027-632-261812 | Sequence 261812, A | C 917 | 19 | 76.0 | 375 | 10 | US-09-867-701-7569 | Sequence 7569, App |
| C 845 | 19 | 76.0 | 359 | 11 | US-09-918-995-18790 | Sequence 18790, A | C 918 | 19 | 76.0 | 375 | 14 | US-10-074-095-1087 | Sequence 1087, App |
| C 846 | 19 | 76.0 | 360 | 9 | US-09-925-299-249 | Sequence 249, App | C 919 | 19 | 76.0 | 375 | 14 | US-10-074-095-1087 | Sequence 1087, App |
| C 847 | 19 | 76.0 | 360 | 11 | US-09-880-107-3540 | Sequence 3540, App | C 920 | 19 | 76.0 | 377 | 11 | US-09-867-701-9604 | Sequence 9604, App |
| C 848 | 19 | 76.0 | 361 | 11 | US-09-918-995-18249 | Sequence 18249, A | C 921 | 19 | 76.0 | 377 | 10 | US-09-918-995-29700 | Sequence 29700, A |
| C 849 | 19 | 76.0 | 361 | 11 | US-09-918-995-18249 | Sequence 18249, A | C 922 | 19 | 76.0 | 379 | 10 | US-09-834-975-649 | Sequence 649, App |
| C 850 | 19 | 76.0 | 363 | 10 | US-09-736-457-878 | Sequence 878, App | C 923 | 19 | 76.0 | 379 | 11 | US-09-764-891-5685 | Sequence 5685, App |
| C 851 | 19 | 76.0 | 363 | 10 | US-09-902-941-878 | Sequence 878, App | C 924 | 19 | 76.0 | 381 | 9 | US-09-815-343-206 | Sequence 206, App |
| C 852 | 19 | 76.0 | 363 | 10 | US-09-849-626-878 | Sequence 878, App | C 925 | 19 | 76.0 | 381 | 11 | US-09-764-891-285 | Sequence 285, App |
| C 853 | 19 | 76.0 | 363 | 12 | US-10-113-872-878 | Sequence 878, App | C 926 | 19 | 76.0 | 381 | 13 | US-10-027-632-41066 | Sequence 41066, A |
| C 854 | 19 | 76.0 | 363 | 14 | US-10-017-754-878 | Sequence 878, App | C 927 | 19 | 76.0 | 382 | 13 | US-10-027-632-267215 | Sequence 267215, A |
| C 855 | 19 | 76.0 | 364 | 10 | US-09-736-457-867 | Sequence 867, App | C 928 | 19 | 76.0 | 382 | 13 | US-10-027-632-267216 | Sequence 267216, A |
| C 856 | 19 | 76.0 | 364 | 10 | US-09-902-941-867 | Sequence 867, App | C 929 | 19 | 76.0 | 383 | 11 | US-09-918-995-18275 | Sequence 18275, A |
| C 857 | 19 | 76.0 | 364 | 10 | US-09-849-626-867 | Sequence 867, App | C 930 | 19 | 76.0 | 385 | 10 | US-09-867-701-9670 | Sequence 9670, App |
| C 858 | 19 | 76.0 | 364 | 11 | US-09-803-719-1911 | Sequence 1911, App | C 931 | 19 | 76.0 | 386 | 12 | US-09-873-319-157 | Sequence 157, App |
| C 859 | 19 | 76.0 | 364 | 12 | US-10-113-872-867 | Sequence 867, App | C 932 | 19 | 76.0 | 386 | 12 | US-09-960-706-880 | Sequence 880, App |
| C 860 | 19 | 76.0 | 364 | 14 | US-10-017-754-867 | Sequence 867, App | C 933 | 19 | 76.0 | 387 | 11 | US-09-867-701-8368 | Sequence 8368, App |
| C 861 | 19 | 76.0 | 365 | 10 | US-09-867-701-7738 | Sequence 7738, App | C 934 | 19 | 76.0 | 387 | 11 | US-09-918-995-5313 | Sequence 5313, App |
| C 862 | 19 | 76.0 | 366 | 10 | US-09-867-701-7808 | Sequence 7808, App | C 935 | 19 | 76.0 | 387 | 13 | US-10-027-632-252742 | Sequence 252742, A |
| C 863 | 19 | 76.0 | 366 | 10 | US-09-867-701-8142 | Sequence 8142, App | C 936 | 19 | 76.0 | 387 | 13 | US-10-027-632-252743 | Sequence 252743, A |
| C 864 | 19 | 76.0 | 366 | 13 | US-10-027-632-116763 | Sequence 116763, A | C 937 | 19 | 76.0 | 388 | 9 | US-09-815-343-180 | Sequence 180, App |
| C 865 | 19 | 76.0 | 367 | 10 | US-09-867-701-7572 | Sequence 7572, App | C 938 | 19 | 76.0 | 388 | 10 | US-09-867-701-883 | Sequence 883, App |
| C 866 | 19 | 76.0 | 367 | 10 | US-09-736-457-1143 | Sequence 1143, App | C 939 | 19 | 76.0 | 388 | 10 | US-09-867-701-9102 | Sequence 9102, App |
| C 867 | 19 | 76.0 | 367 | 10 | US-09-736-457-1626 | Sequence 1626, App | C 940 | 19 | 76.0 | 388 | 11 | US-09-803-719-27 | Sequence 27, Appl1 |
| C 868 | 19 | 76.0 | 367 | 10 | US-09-902-941-1143 | Sequence 1143, App | C 941 | 19 | 76.0 | 389 | 10 | US-09-867-701-10037 | Sequence 10037, A |
| C 869 | 19 | 76.0 | 367 | 10 | US-09-902-941-1626 | Sequence 1626, App | C 942 | 19 | 76.0 | 390 | 10 | US-09-867-701-3274 | Sequence 3274, App |
| C 870 | 19 | 76.0 | 367 | 10 | US-09-849-626-1143 | Sequence 1143, App | C 943 | 19 | 76.0 | 390 | 10 | US-09-867-701-7135 | Sequence 7135, App |
| C 871 | 19 | 76.0 | 367 | 10 | US-09-849-626-1526 | Sequence 1526, App | C 944 | 19 | 76.0 | 390 | 10 | US-09-867-701-7821 | Sequence 7821, App |
| C 872 | 19 | 76.0 | 367 | 12 | US-10-113-872-1143 | Sequence 1143, App | C 945 | 19 | 76.0 | 390 | 10 | US-09-918-995-36545 | Sequence 36545, A |
| C 873 | 19 | 76.0 | 367 | 12 | US-10-113-872-1626 | Sequence 1626, App | C 946 | 19 | 76.0 | 390 | 11 | US-10-027-632-280297 | Sequence 280297, A |
| C 874 | 19 | 76.0 | 367 | 14 | US-10-017-754-1143 | Sequence 1143, App | C 947 | 19 | 76.0 | 391 | 11 | US-09-764-891-5669 | Sequence 5669, App |
| C 875 | 19 | 76.0 | 367 | 14 | US-10-017-754-1626 | Sequence 1626, App | C 948 | 19 | 76.0 | 391 | 11 | US-09-764-891-5669 | Sequence 5669, App |
| C 876 | 19 | 76.0 | 368 | 10 | US-09-736-457-1003 | Sequence 1003, App | C 949 | 19 | 76.0 | 391 | 12 | US-09-814-353-15640 | Sequence 15640, A |
| C 877 | 19 | 76.0 | 368 | 10 | US-09-736-457-1038 | Sequence 1038, App | C 950 | 19 | 76.0 | 392 | 10 | US-09-867-701-9069 | Sequence 9069, App |
| C 878 | 19 | 76.0 | 368 | 10 | US-09-736-457-1044 | Sequence 1044, App | C 951 | 19 | 76.0 | 392 | 10 | US-09-764-877-2138 | Sequence 2138, App |
| C 879 | 19 | 76.0 | 368 | 10 | US-09-736-457-1092 | Sequence 1092, App | C 952 | 19 | 76.0 | 392 | 11 | US-09-918-995-3449 | Sequence 3449, App |
| C 880 | 19 | 76.0 | 368 | 10 | US-09-736-457-1584 | Sequence 1584, App | C 953 | 19 | 76.0 | 393 | 10 | US-09-867-701-9297 | Sequence 9297, App |
| C 881 | 19 | 76.0 | 368 | 10 | US-09-902-941-1003 | Sequence 1003, App | C 954 | 19 | 76.0 | 393 | 12 | US-09-814-353-19842 | Sequence 19842, A |
| C 882 | 19 | 76.0 | 368 | 10 | US-09-902-941-1038 | Sequence 1038, App | C 955 | 19 | 76.0 | 394 | 10 | US-09-867-701-478 | Sequence 478, App |
| C 883 | 19 | 76.0 | 368 | 10 | US-09-902-941-1044 | Sequence 1044, App | C 956 | 19 | 76.0 | 394 | 13 | US-10-027-632-57936 | Sequence 57936, A |
| C 884 | 19 | 76.0 | 368 | 10 | US-09-902-941-1092 | Sequence 1092, App | C 957 | 19 | 76.0 | 396 | 9 | US-09-825-294-46 | Sequence 46, Appl1 |
| C 885 | 19 | 76.0 | 368 | 10 | US-09-902-941-1584 | Sequence 1584, App | C 958 | 19 | 76.0 | 396 | 9 | US-09-867-550-869 | Sequence 869, App |
| C 886 | 19 | 76.0 | 368 | 10 | US-09-849-626-1003 | Sequence 1003, App | C 959 | 19 | 76.0 | 396 | 10 | US-09-867-701-7848 | Sequence 7848, App |
| C 887 | 19 | 76.0 | 368 | 10 | US-09-849-626-1038 | Sequence 1038, App | C 960 | 19 | 76.0 | 396 | 10 | US-09-867-701-9203 | Sequence 9203, App |
| C 888 | 19 | 76.0 | 368 | 10 | US-09-849-626-1044 | Sequence 1044, App | C 961 | 19 | 76.0 | 396 | 10 | US-09-880-107-442 | Sequence 442, App |
| C 889 | 19 | 76.0 | 368 | 10 | US-09-849-626-1092 | Sequence 1092, App | C 962 | 19 | 76.0 | 396 | 10 | US-09-970-966-46 | Sequence 46, Appl1 |
| C 890 | 19 | 76.0 | 368 | 10 | US-09-849-626-1584 | Sequence 1584, App | C 963 | 19 | 76.0 | 396 | 15 | US-10-212-677-46 | Sequence 46, Appl1 |
| C 891 | 19 | 76.0 | 368 | 11 | US-09-764-891-8212 | Sequence 8212, App | C 964 | 19 | 76.0 | 397 | 10 | US-09-867-701-351 | Sequence 351, App |
| C 892 | 19 | 76.0 | 368 | 12 | US-10-113-872-1003 | Sequence 1003, App | C 965 | 19 | 76.0 | 397 | 10 | US-09-867-701-8104 | Sequence 8104, App |

966 19 76.0 397 14 US-10-023-896-25 Sequence 25, Appl
C 967 19 76.0 398 10 US-09-867-701-6395 Sequence 6395, Ap
C 968 19 76.0 398 10 US-09-867-701-8483 Sequence 8483, Ap
C 969 19 76.0 399 11 US-09-818-995-36502 Sequence 36502, A
970 19 76.0 399 13 US-10-027-632-294715 Sequence 294715,
971 19 76.0 400 10 US-09-867-701-6845 Sequence 6845, Ap
C 972 19 76.0 400 10 US-09-867-701-8347 Sequence 8347, Ap
973 19 76.0 400 11 US-09-764-891-7584 Sequence 7584, Ap
974 19 76.0 400 11 US-09-764-891-7586 Sequence 7586, Ap
975 19 76.0 401 9 US-09-795-668-1153 Sequence 729, App
976 19 76.0 401 9 US-09-795-668-1153 Sequence 1153, Ap
C 977 19 76.0 401 9 US-09-795-668-1190 Sequence 1190, Ap
978 19 76.0 401 9 US-09-795-668-1190 Sequence 1190, Ap
C 979 19 76.0 401 9 US-09-795-668-1239 Sequence 1239, Ap
C 980 19 76.0 401 9 US-09-795-668-1240 Sequence 1240, Ap
C 981 19 76.0 401 9 US-09-795-668-1241 Sequence 1241, Ap
C 982 19 76.0 401 9 US-09-795-668-1483 Sequence 1483, Ap
C 983 19 76.0 401 9 US-09-795-668-1504 Sequence 1504, Ap
C 984 19 76.0 401 9 US-09-795-668-1531 Sequence 1531, Ap
985 19 76.0 401 9 US-09-795-668-1531 Sequence 1531, Ap
986 19 76.0 401 9 US-09-795-668-1016 Sequence 1016, Ap
C 987 19 76.0 401 9 US-09-795-668-1153 Sequence 1153, Ap
988 19 76.0 401 9 US-09-795-668-1190 Sequence 1190, Ap
C 989 19 76.0 401 9 US-09-795-668-1239 Sequence 1239, Ap
C 990 19 76.0 401 9 US-09-795-668-1240 Sequence 1240, Ap
C 991 19 76.0 401 9 US-09-795-668-1241 Sequence 1241, Ap
C 992 19 76.0 401 9 US-09-795-668-1483 Sequence 1483, Ap
C 993 19 76.0 401 9 US-09-795-668-1504 Sequence 1504, Ap
C 994 19 76.0 401 9 US-09-795-668-1531 Sequence 1531, Ap
995 19 76.0 401 10 US-09-946-807-7229 Sequence 729, App
996 19 76.0 401 10 US-09-946-807-1016 Sequence 1016, Ap
C 997 19 76.0 401 10 US-09-946-807-1153 Sequence 1153, Ap
998 19 76.0 401 10 US-09-946-807-1190 Sequence 1190, Ap
C 999 19 76.0 401 10 US-09-946-807-1239 Sequence 1239, Ap
C1000 19 76.0 401 10 US-09-946-807-1240 Sequence 1240, Ap

ALIGNMENTS

RESULT 1
US-09-784-423-124
Sequence 124, Application US/09784423
Patent No. US20020012924A1
GENERAL INFORMATION:
APPLICANT: Schumm, James W.
Bacher, Jeffery W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/784,423
FILING DATE: 15-Feb-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/018,584
FILING DATE: 04-Feb-1998
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018

REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 124
SEQUENCE CHARACTERISTICS:
LENGTH: 25
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 124
US-09-784-423-124
Query Match 100.0%; Score 25; DB 9; Length 25;
Best Local Similarity 100.0%; Pred. No. 8e-06;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGTTCGAGTGGAGCGAGATPAGAGT 25
DB 1 GGTTCGAGTGGAGCGAGATPAGAGT 25

RESULT 2
US-09-784-423-32
Sequence 32, Application US/09784423
Patent No. US20020012924A1
GENERAL INFORMATION:
APPLICANT: Schumm, James W.
Bacher, Jeffery W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/784,423
FILING DATE: 15-Feb-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/018,584
FILING DATE: 04-Feb-1998
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 32
SEQUENCE CHARACTERISTICS:
LENGTH: 1000 bp
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Circular
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: no
IMMEDIATE SOURCE:
CLONE: 5132
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 22
SEQUENCE DESCRIPTION: SEQ ID NO: 32
US-09-784-423-32

Query Match 100.0%; Score 25; DB 9; Length 1000;
Best Local Similarity 100.0%; Pred. No. 6.9e-06;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGATTAAGT 25
DB 441 GGTTCAGTGTAGCCGAGATTAAGT 465

RESULT 3
US-10-027-632-256
; Sequence 256, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 256
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-256

Query Match 84.0%; Score 21; DB 13; Length 611;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGATTA 21
DB 343 GGTTCAGTGTAGCCGAGATTA 363

RESULT 4
US-10-027-632-76653/c
; Sequence 76653, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76653
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(619)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-76653

Query Match 84.0%; Score 21; DB 13; Length 619;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGATTA 21
DB 95 GGTTCAGTGTAGCCGAGATTA 75

RESULT 5
US-10-027-632-76654/c
; Sequence 76654, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76654
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(619)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-76654

Query Match 84.0%; Score 21; DB 13; Length 619;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGTTCAGTGTAGCCGAGATTA 21
DB 95 GGTTCAGTGTAGCCGAGATTA 75

RESULT 6
US-10-027-632-109145/c
; Sequence 109145, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

```

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 109145
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(619)
; OTHER INFORMATION: n = A,T,C or G
; US-10-027-632-109145

```

```

Query Match      84.0%; Score 21; DB 13; Length 619;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 GGTTCAGTGTAGCCGAGATTA 21
          |||||
Db      95 GGTTCAGTGTAGCCGAGATTA 75

```

```

RESULT 7
US-10-027-632-109146/c
; Sequence 109146, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 109146
; LENGTH: 619
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(619)

```

```

; OTHER INFORMATION: n = A,T,C or G
; US-10-027-632-109146

```

```

Query Match      84.0%; Score 21; DB 13; Length 619;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 GGTTCAGTGTAGCCGAGATTA 21
          |||||
Db      95 GGTTCAGTGTAGCCGAGATTA 75

```

```

RESULT 8
US-10-027-632-41282/c
; Sequence 41282, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41282
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-41282

```

```

Query Match      84.0%; Score 21; DB 13; Length 638;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 GGTTCAGTGTAGCCGAGATTA 21
          |||||
Db      112 GGTTCAGTGTAGCCGAGATTA 92

```

```

RESULT 9
US-10-027-632-41283/c
; Sequence 41283, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23

```

```

: PRIOR APPLICATION NUMBER: 60/156,358
: PRIOR FILING DATE: 1999-03-28
: PRIOR APPLICATION NUMBER: US 60/146,002
: PRIOR FILING DATE: 1999-08-09
: NUMBER OF SEQ ID NOS: 325720
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO: 41283
: LENGTH: 638
: TYPE: DNA
: ORGANISM: Human
: US-10-027-632-41283

```

```
Query Match      84.0%; Score 21; DB 13; Length 638;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 GGTGCAGTGAGCCGAGATAA 21
|||
Db 112 GGTGCAGTGAGCCGAGATAA 92

```

RESULT 10
US-10-027-632-128887
; Sequence 128887, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIORITY APPLICATION NUMBER: US 60/218,006
PRIORITY FILING DATE: 2000-07-12
PRIORITY APPLICATION NUMBER: US 60/198,676
PRIORITY FILING DATE: 2000-04-20
PRIORITY APPLICATION NUMBER: US 60/193,483
PRIORITY FILING DATE: 2000-03-29
PRIORITY APPLICATION NUMBER: US 60/185,218
PRIORITY FILING DATE: 2000-02-24
PRIORITY APPLICATION NUMBER: US 60/167,363
PRIORITY FILING DATE: 1999-11-23
PRIORITY APPLICATION NUMBER: US 60/156,358
PRIORITY FILING DATE: 1999-09-28
PRIORITY APPLICATION NUMBER: US 60/146,002
PRIORITY FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 128887
LENGTH: 678
TYPE: DNA
ORGANISM: Human
US-10-027-632-128887

```

| | | | | |
|-----------------------|---------|------------------|--------|---------------|
| Query Match | 84.0%; | Score 21; | DB 13; | Length 678; |
| Best Local Similarity | 100.0%; | Pred. No. 0.002; | | |
| Matches | 21; | Conservative | 0; | Mismatches 0; |
| | | | Indels | 0; |
| | | | Gaps | 0; |

QY 1 GGTGCAGTGAGCCGAGATAA 21
604 GGTGCAGTGAGCCGAGATAA 624
Db

```

RESULT 11
US-10-027-632-166508
Sequence 166508, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027.632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006

```

```

1 PRIOR FILING DATE: 2000-07-12
2 PRIOR APPLICATION NUMBER: US 60/198,676
3 PRIOR FILING DATE: 2000-04-20
4 PRIOR APPLICATION NUMBER: US 60/193,483
5 PRIOR FILING DATE: 2000-03-29
6 PRIOR APPLICATION NUMBER: US 60/185,218
7 PRIOR FILING DATE: 2000-02-24
8 PRIOR APPLICATION NUMBER: US 60/167,363
9 PRIOR FILING DATE: 1999-11-23
10 PRIOR APPLICATION NUMBER: US 60/156,358
11 PRIOR FILING DATE: 1999-09-28
12 PRIOR APPLICATION NUMBER: US 60/146,002
13 PRIOR FILING DATE: 1999-08-09
14 NUMBER OF SEQ ID NOS: 325720
15 SOFTWARE: FASTSEQ for Windows Version 4.0
16 SEQ ID NO 166508
17 LENGTH: 866
18 TYPE: DNA
19 ORGANISM: Human
20 US-10-027-632-166508

```

| | | | | |
|-----------------------|-----------------|-------------------|-----------|-------------|
| Query Match | 84.0%; | Score 21; | DB 13; | length 896; |
| Best Local Similarity | 100.0%; | Pred. No. 0.0019; | | |
| Matches 21; | Conservative 0; | Mismatches 0; | Indels 0; | Gaps 0 |

```

QY      1  GGTGCAGTGAGCCGAGATAA  21
          |||||
Db      402 GGTGCAGTGAGCCGAGATAA  422

```

```

RESULT 12
US-10-027-632-102290/c
; Sequence 102290, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotides
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/199,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-06-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 102290
; LENGTH: 2339
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-102290

```

Query Match Similarity 84.0%; Score 21; DB 13; length 2339;
 Best Local Similarity 100.0%; Pred. No. 0.0019;
 Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0

```

QY      1  GGTTCAGTGAGCCGAGATAA  21
          |||||
Db      1714  GGTTCAGTGAGCCGAGATAA  1694

```

RESULT 13
US-10-027-632-102291/c

```
; Sequence 102291, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: Polymorphisms in the Human Genome
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 102291
; LENGTH: 2339
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-102291
```

```
Query Match      84.0%; Score 21; DB 13; Length 2339;
Best Local Similarity 100.0%; Pred. No. 0.0019;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GGTTCAGTGTAGCCGAGATTA 21
Db      1714 GGTTCAGTGTAGCCGAGATTA 1694
```

```
RESULT 14
US-09-764-891-5690
; Sequence 5690, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5690
; LENGTH: 19286
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5690
```

```
Query Match      84.0%; Score 21; DB 11; Length 19286;
Best Local Similarity 100.0%; Pred. No. 0.0017;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 GGTTCAGTGTAGCCGAGATTA 21
Db      5393 GGTTCAGTGTAGCCGAGATTA 5413
```

```
RESULT 15
US-09-790-289-1/c
; Sequence 1, Application US/09790289
; Publication No. US20030165826A1
; GENERAL INFORMATION:
; APPLICANT: Caroline Barry
```

```
; APPLICANT: Ilya Chumakov
; TITLE OF INVENTION: PG-3 and Biallelic Markers Thereof
; FILE REFERENCE: 68.US3.REG
; CURRENT APPLICATION NUMBER: US/09/790,289
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 240825
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: 1..2000
; OTHER INFORMATION: 5'regulatory region
; NAME/KEY: exon
; LOCATION: 2001..2079
; OTHER INFORMATION: exon A
; NAME/KEY: exon
; LOCATION: 4627..4718
; OTHER INFORMATION: exon B
; NAME/KEY: exon
; LOCATION: 10115..10233
; OTHER INFORMATION: exon C
; NAME/KEY: exon
; LOCATION: 26810..26897
; OTHER INFORMATION: exon D
; NAME/KEY: exon
; LOCATION: 31357..31471
; OTHER INFORMATION: exon E
; NAME/KEY: exon
; LOCATION: 34261..34404
; OTHER INFORMATION: exon F
; NAME/KEY: exon
; LOCATION: 37377..37466
; OTHER INFORMATION: exon S
; NAME/KEY: exon
; LOCATION: 39704..40858
; OTHER INFORMATION: exon T
; NAME/KEY: exon
; LOCATION: 50436..50545
; OTHER INFORMATION: exon G
; NAME/KEY: exon
; LOCATION: 72881..72918
; OTHER INFORMATION: exon H
; NAME/KEY: exon
; LOCATION: 75989..76151
; OTHER INFORMATION: exon I
; NAME/KEY: exon
; LOCATION: 95111..95188
; OTHER INFORMATION: exon J
; NAME/KEY: exon
; LOCATION: 216015..216252
; OTHER INFORMATION: exon K
; NAME/KEY: exon
; LOCATION: 237526..238825
; OTHER INFORMATION: exon L
; NAME/KEY: misc.feature
; LOCATION: 238826..240825
; OTHER INFORMATION: 3'regulatory region
; NAME/KEY: allele
; LOCATION: 1999
; OTHER INFORMATION: 5-390-177 : polymorphic base G or C
; NAME/KEY: allele
; LOCATION: 4601
; OTHER INFORMATION: 5-391-43 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 10228
; OTHER INFORMATION: 5-392-222 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 10286
; OTHER INFORMATION: 5-392-280 : polymorphic base G or T
; NAME/KEY: allele
```



```

LOCATION: 10370
OTHER INFORMATION: 5-392-364 : insertion of G
NAME/KEY: allele
LOCATION: 39944
OTHER INFORMATION: 4-58-318 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 39973
OTHER INFORMATION: 4-58-289 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 41385
OTHER INFORMATION: 4-54-199 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 41404
OTHER INFORMATION: 4-54-180 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 42232
OTHER INFORMATION: 4-51-312 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 67475
OTHER INFORMATION: 99-86-266 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 69521
OTHER INFORMATION: 4-88-107 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 72838
OTHER INFORMATION: 5-397-141 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 76060
OTHER INFORMATION: 5-398-203 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 81253
OTHER INFORMATION: 99-12738-248 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 83921
OTHER INFORMATION: 99-109-358 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 91917
OTHER INFORMATION: 99-12749-175 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 95349
OTHER INFORMATION: 4-21-154 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 95511
OTHER INFORMATION: 4-21-317 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 96190
OTHER INFORMATION: 4-23-326 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 97294
OTHER INFORMATION: 99-12753-34 : polymorphic base A or T
NAME/KEY: allele
LOCATION: 98024
OTHER INFORMATION: 5-364-252 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 98914
OTHER INFORMATION: 99-12755-280 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 98963
OTHER INFORMATION: 99-12755-329 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 103593
OTHER INFORMATION: 4-87-212 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 104398
OTHER INFORMATION: 99-12757-318 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 106373
OTHER INFORMATION: 99-12758-102 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 106407
OTHER INFORMATION: 99-12758-136 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 108315

```

```

OTHER INFORMATION: 4-105-98 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 108327
OTHER INFORMATION: 4-105-86 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 108472
OTHER INFORMATION: 4-45-49 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 109196
OTHER INFORMATION: 4-44-277 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 114604
OTHER INFORMATION: 4-86-60 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 115716
OTHER INFORMATION: 4-84-334 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 122083
OTHER INFORMATION: 99-78-321 : polymorphic base A or T
NAME/KEY: allele
LOCATION: 123124
OTHER INFORMATION: 99-12767-36 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 123231
OTHER INFORMATION: 99-12767-143 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 123277
OTHER INFORMATION: 99-12767-189 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 123468
OTHER INFORMATION: 99-12767-380 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 126738
OTHER INFORMATION: 4-80-328 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 128210
OTHER INFORMATION: 4-36-384 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 128330
OTHER INFORMATION: 4-36-264 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 128333
OTHER INFORMATION: 4-36-261 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 128594
OTHER INFORMATION: 4-35-333 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 128687
OTHER INFORMATION: 4-35-240 : polymorphic base G or C
NAME/KEY: allele

```

```

Query Match      84.0%: Score 21; DB 12; Length 240825;
Best Local Similarity 100.0%: Pred. No. 0.0016;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy      1 GGTTCAGTGCAGCCGAGATTA 21
Db      54018 GGTTCAGTGCAGCCGAGATTA 53998

```

Search completed: October 9, 2003, 17:54:00
 Job time : 27.2381 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 9, 2003, 15:06:32 ; Search time 2.47619 Seconds
(without alignments)
4456.272 Million cell updates/sec

Title: US-09-784-423-125

Perfect score: 25
Sequence: 1 TGTGCGAGGACGAGAAATTACAG 25

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 569978 segs, 220691566 residues

Word size : 0
Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database :

Issued Patents NA:*
1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
4: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/prodata/2/ina/Backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|---------|----------------------|--------------------|
| 1 | 25 | 100.0 | 25 | US-09-018-584A-125 | Sequence 125, App |
| 2 | 25 | 100.0 | 1000 | US-09-018-584A-32 | Sequence 32, Appl |
| 3 | 15 | 60.0 | 28720 | US-09-341-587-7 | Sequence 7, Appl |
| 4 | 14 | 56.0 | 627 | US-08-981-030-2 | Sequence 2, Appl |
| 5 | 14 | 56.0 | 627 | US-08-981-030-12 | Sequence 12, Appl |
| 6 | 14 | 56.0 | 682 | US-08-981-030-1 | Sequence 1, Appl |
| 7 | 14 | 56.0 | 1727 | US-08-289-438-3 | Sequence 3, Appl |
| 8 | 14 | 56.0 | 1727 | US-08-761-549-3 | Sequence 3, Appl |
| 9 | 14 | 56.0 | 1727 | US-09-127-646-3 | Sequence 3, Appl |
| 10 | 14 | 56.0 | 4376 | US-08-119-125A-1 | Sequence 1, Appl |
| 11 | 14 | 56.0 | 6744 | US-08-119-125A-2 | Sequence 2, Appl |
| 12 | 14 | 56.0 | 9493 | US-08-639-857-23 | Sequence 23, Appl |
| 13 | 14 | 56.0 | 9493 | US-08-469-260A-163 | Sequence 163, Appl |
| 14 | 14 | 56.0 | 9493 | US-08-488-446-163 | Sequence 163, Appl |
| 15 | 14 | 56.0 | 9493 | US-08-467-344A-163 | Sequence 163, Appl |
| 16 | 14 | 56.0 | 99500 | US-09-798-096-10 | Sequence 10, Appl |
| 17 | 14 | 56.0 | 1230025 | US-09-198-452A-1 | Sequence 1, Appl |
| 18 | 13 | 52.0 | 22 | US-08-332-766A-76 | Sequence 76, Appl |
| 19 | 13 | 52.0 | 56 | US-08-229-279-6 | Sequence 6, Appl |
| 20 | 13 | 52.0 | 56 | US-08-701-269-6 | Sequence 6, Appl |
| 21 | 13 | 52.0 | 89 | US-09-511-625B-57 | Sequence 57, Appl |
| 22 | 13 | 52.0 | 91 | US-09-084-120-23 | Sequence 23, Appl |
| 23 | 13 | 52.0 | 445 | US-08-332-766A-16 | Sequence 16, Appl |
| 24 | 13 | 52.0 | 558 | US-09-252-991A-15529 | Sequence 15529, A |
| 25 | 13 | 52.0 | 611 | US-09-328-111-416 | Sequence 416, Appl |
| 26 | 13 | 52.0 | 628 | US-09-669-751-62 | Sequence 62, Appl |
| 27 | 13 | 52.0 | 646 | US-08-998-416-77 | Sequence 77, Appl |

| | | | | | |
|-----|----|------|------|----------------------|--------------------|
| 28 | 13 | 52.0 | 660 | US-09-107-532A-1545 | Sequence 1545, Ap |
| 29 | 13 | 52.0 | 691 | US-08-365-486A-29 | Sequence 29, Appl |
| 30 | 13 | 52.0 | 691 | US-08-880-342-29 | Sequence 29, Appl |
| 31 | 13 | 52.0 | 700 | US-08-991-789A-174 | Sequence 174, Appl |
| 32 | 13 | 52.0 | 700 | US-09-062-451-174 | Sequence 174, Appl |
| 33 | 13 | 52.0 | 700 | US-09-598-326-174 | Sequence 174, Appl |
| 34 | 13 | 52.0 | 700 | US-09-289-196-174 | Sequence 174, Appl |
| 35 | 13 | 52.0 | 829 | US-08-961-083-133 | Sequence 133, Appl |
| 36 | 13 | 52.0 | 829 | US-09-536-784-133 | Sequence 133, Appl |
| 37 | 13 | 52.0 | 831 | US-09-252-991A-15309 | Sequence 15309, A |
| 38 | 13 | 52.0 | 836 | US-08-554-612C-26 | Sequence 26, Appl |
| 39 | 13 | 52.0 | 881 | US-09-482-273-40 | Sequence 40, Appl |
| 40 | 13 | 52.0 | 932 | US-08-554-612C-20 | Sequence 20, Appl |
| 41 | 13 | 52.0 | 1001 | US-09-641-638-514 | Sequence 514, Appl |
| 42 | 13 | 52.0 | 1001 | US-09-641-638-515 | Sequence 515, Appl |
| 43 | 13 | 52.0 | 1001 | US-09-641-638-516 | Sequence 516, Appl |
| 44 | 13 | 52.0 | 1007 | US-08-554-612C-17 | Sequence 17, Appl |
| 45 | 13 | 52.0 | 1007 | US-08-554-612C-18 | Sequence 18, Appl |
| 46 | 13 | 52.0 | 1041 | US-09-389-681-423 | Sequence 423, Appl |
| 47 | 13 | 52.0 | 1041 | US-09-620-405B-423 | Sequence 423, Appl |
| 48 | 13 | 52.0 | 1041 | US-09-433-826B-423 | Sequence 423, Appl |
| 49 | 13 | 52.0 | 1041 | US-09-604-287A-423 | Sequence 423, Appl |
| 50 | 13 | 52.0 | 1095 | US-09-107-532A-1390 | Sequence 1390, Ap |
| 51 | 13 | 52.0 | 1299 | US-09-252-991A-14606 | Sequence 14606, A |
| 52 | 13 | 52.0 | 1356 | US-09-276-531-129 | Sequence 129, Appl |
| 53 | 13 | 52.0 | 1434 | US-09-328-352-2423 | Sequence 2423, Ap |
| 54 | 13 | 52.0 | 1508 | US-08-554-612C-16 | Sequence 16, Appl |
| 55 | 13 | 52.0 | 1610 | US-09-620-312D-1049 | Sequence 1049, Ap |
| 56 | 13 | 52.0 | 1698 | US-08-660-451A-19 | Sequence 19, Appl |
| 57 | 13 | 52.0 | 1701 | US-08-599-968-2 | Sequence 2, Appl |
| 58 | 13 | 52.0 | 1734 | US-09-252-991A-15356 | Sequence 15356, A |
| 59 | 13 | 52.0 | 1743 | US-08-487-596-9 | Sequence 9, Appl |
| 60 | 13 | 52.0 | 1743 | US-08-487-596-9 | Sequence 9, Appl |
| 61 | 13 | 52.0 | 1743 | US-08-487-596-9 | Sequence 9, Appl |
| 62 | 13 | 52.0 | 1758 | PCT-US92-01015-1 | Sequence 1, Appl |
| 63 | 13 | 52.0 | 1770 | US-09-328-352-3466 | Sequence 3466, Ap |
| 64 | 13 | 52.0 | 1782 | US-09-149-476-120 | Sequence 120, Appl |
| 65 | 13 | 52.0 | 1886 | US-09-620-312D-447 | Sequence 447, Appl |
| 66 | 13 | 52.0 | 1981 | US-09-017-706-3 | Sequence 3, Appl |
| 67 | 13 | 52.0 | 1981 | US-09-017-706-4 | Sequence 4, Appl |
| 68 | 13 | 52.0 | 1981 | US-09-017-706-5 | Sequence 5, Appl |
| 69 | 13 | 52.0 | 1981 | US-09-017-706-6 | Sequence 6, Appl |
| 70 | 13 | 52.0 | 1981 | US-09-017-706-7 | Sequence 7, Appl |
| 71 | 13 | 52.0 | 1981 | US-09-017-706-8 | Sequence 8, Appl |
| 72 | 13 | 52.0 | 2087 | US-09-097-199-83 | Sequence 83, Appl |
| 73 | 13 | 52.0 | 2100 | US-09-016-434-1409 | Sequence 1409, Ap |
| 74 | 13 | 52.0 | 2104 | US-08-248-532-1 | Sequence 1, Appl |
| 75 | 13 | 52.0 | 2104 | US-08-419-652-1 | Sequence 1, Appl |
| 76 | 13 | 52.0 | 2104 | US-08-685-118-3 | Sequence 3, Appl |
| 77 | 13 | 52.0 | 2104 | US-08-915-495-3 | Sequence 3, Appl |
| 78 | 13 | 52.0 | 2104 | US-08-914-520-3 | Sequence 3, Appl |
| 79 | 13 | 52.0 | 2104 | US-08-789-350-1 | Sequence 1, Appl |
| 80 | 13 | 52.0 | 2157 | US-09-328-352-514 | Sequence 514, Appl |
| 81 | 13 | 52.0 | 2229 | US-09-252-991A-15478 | Sequence 15478, A |
| 82 | 13 | 52.0 | 2286 | US-09-328-352-3366 | Sequence 3366, Ap |
| 83 | 13 | 52.0 | 2439 | US-08-969-317-1 | Sequence 1, Appl |
| 84 | 13 | 52.0 | 2505 | US-09-097-199-85 | Sequence 85, Appl |
| 85 | 13 | 52.0 | 2640 | US-09-252-991A-15419 | Sequence 15419, A |
| 86 | 13 | 52.0 | 2817 | US-09-431-099-1 | Sequence 1, Appl |
| 87 | 13 | 52.0 | 2898 | US-08-554-612C-51 | Sequence 51, Appl |
| 88 | 13 | 52.0 | 2909 | US-08-554-612C-10 | Sequence 10, Appl |
| 89 | 13 | 52.0 | 2909 | US-08-554-612C-11 | Sequence 11, Appl |
| 90 | 13 | 52.0 | 3320 | US-09-394-200-1 | Sequence 1, Appl |
| 91 | 13 | 52.0 | 3729 | US-08-554-612C-25 | Sequence 25, Appl |
| 92 | 13 | 52.0 | 4144 | US-08-218-666-1 | Sequence 1, Appl |
| 93 | 13 | 52.0 | 4144 | US-08-460-242-1 | Sequence 1, Appl |
| 94 | 13 | 52.0 | 4440 | US-08-200-016-4 | Sequence 4, Appl |
| 95 | 13 | 52.0 | 4832 | US-09-457-037B-2 | Sequence 2, Appl |
| 96 | 13 | 52.0 | 4832 | US-09-733-151-2 | Sequence 2, Appl |
| 97 | 13 | 52.0 | 4946 | US-08-817-188-1 | Sequence 1, Appl |
| 98 | 13 | 52.0 | 4946 | US-09-457-037B-1 | Sequence 1, Appl |
| 99 | 13 | 52.0 | 4946 | US-09-733-151-1 | Sequence 1, Appl |
| 100 | 13 | 52.0 | 5560 | US-08-817-188-5 | Sequence 5, Appl |

| | | | | | | | | | | | | | |
|-----|-----|------|---------|---|---------------------|--------------------|-----|----|------|------|---|---------------------|---------------------|
| 101 | 1.3 | 52.0 | 5798 | 2 | US-08-463-101-1 | Sequence 1, Appl1 | 174 | 12 | 48.0 | 457 | 4 | US-09-433-8266-297 | Sequence 297, App |
| 102 | 1.3 | 52.0 | 5838 | 2 | US-08-578-096A-1 | Sequence 1, Appl1 | 175 | 12 | 48.0 | 457 | 4 | US-09-604-287A-297 | Sequence 297, App |
| 103 | 1.3 | 52.0 | 5838 | 1 | US-09-240-426-1 | Sequence 1, Appl1 | 176 | 12 | 48.0 | 451 | 2 | US-08-977-554-3 | Sequence 3, Appl1 |
| 104 | 1.3 | 52.0 | 5843 | 1 | US-08-554-612C-2 | Sequence 2, Appl1 | 177 | 12 | 48.0 | 461 | 3 | US-09-325-967-3 | Sequence 3, Appl1 |
| 105 | 1.3 | 52.0 | 5864 | 3 | US-08-894-440-4 | Sequence 4, Appl1 | 178 | 12 | 48.0 | 461 | 3 | US-09-327-806-3 | Sequence 3, Appl1 |
| 106 | 1.3 | 52.0 | 5864 | 4 | US-09-458-093-4 | Sequence 4, Appl1 | 179 | 12 | 48.0 | 463 | 3 | US-09-385-982-407 | Sequence 407, App |
| 107 | 1.3 | 52.0 | 5865 | 4 | US-09-430-497A-1 | Sequence 1, Appl1 | 180 | 12 | 48.0 | 486 | 3 | US-09-112-515A-1 | Sequence 1, Appl1 |
| 108 | 1.3 | 52.0 | 6273 | 4 | US-08-961-527-21 | Sequence 2, Appl1 | 181 | 12 | 48.0 | 486 | 3 | US-08-360-144A-1 | Sequence 1, Appl1 |
| 109 | 1.3 | 52.0 | 11309 | 4 | US-08-961-527-108 | Sequence 108, App | 182 | 12 | 48.0 | 486 | 4 | US-09-112-504A-1 | Sequence 1, Appl1 |
| 110 | 1.3 | 52.0 | 17425 | 4 | US-09-511-625B-5 | Sequence 5, Appl1 | 183 | 12 | 48.0 | 486 | 4 | US-09-012-399A-1 | Sequence 1, Appl1 |
| 111 | 1.3 | 52.0 | 19390 | 4 | US-08-961-527-86 | Sequence 86, Appl1 | 184 | 12 | 48.0 | 486 | 5 | PCT-US95-06722-1 | Sequence 1, Appl1 |
| 112 | 1.3 | 52.0 | 61663 | 4 | US-09-453-702B-62 | Sequence 62, Appl1 | 185 | 12 | 48.0 | 486 | 4 | US-09-482-273-54 | Sequence 54, Appl1 |
| 113 | 1.3 | 52.0 | 16998 | 4 | US-09-676-610B-24 | Sequence 24, Appl1 | 186 | 12 | 48.0 | 501 | 4 | US-09-328-352-2959 | Sequence 439, App |
| 114 | 1.3 | 52.0 | 197496 | 4 | US-09-877-177A-10 | Sequence 10, Appl1 | 187 | 12 | 48.0 | 502 | 4 | US-09-280-116-172 | Sequence 172, App |
| 115 | 1.3 | 52.0 | 1664976 | 4 | US-08-916-421B-1 | Sequence 1, Appl1 | 188 | 12 | 48.0 | 515 | 4 | US-09-026-408-11 | Sequence 11, Appl1 |
| 116 | 1.3 | 52.0 | 4403765 | 3 | US-09-103-840A-2 | Sequence 2, Appl1 | 189 | 12 | 48.0 | 519 | 4 | US-09-134-001C-2812 | Sequence 2812, App |
| 117 | 1.3 | 52.0 | 4411529 | 3 | US-09-103-840A-1 | Sequence 1, Appl1 | 190 | 12 | 48.0 | 526 | 4 | US-09-702-705-1702 | Sequence 1702, App |
| 118 | 1.3 | 48.0 | 17 | 3 | US-08-985-162-84 | Sequence 84, Appl1 | 191 | 12 | 48.0 | 526 | 4 | US-09-336-457-1702 | Sequence 1702, App |
| 119 | 1.3 | 48.0 | 17 | 3 | US-08-985-162-85 | Sequence 85, Appl1 | 192 | 12 | 48.0 | 546 | 4 | US-09-328-352-2959 | Sequence 2929, App |
| 120 | 1.3 | 48.0 | 17 | 3 | US-08-985-162-86 | Sequence 86, Appl1 | 193 | 12 | 48.0 | 550 | 4 | US-09-404-879A-264 | Sequence 264, App |
| 121 | 1.3 | 48.0 | 32 | 4 | US-08-973-131-56 | Sequence 56, Appl1 | 194 | 12 | 48.0 | 550 | 4 | US-09-338-933-264 | Sequence 264, App |
| 122 | 1.3 | 48.0 | 32 | 4 | US-09-402-515A-7 | Sequence 7, Appl1 | 195 | 12 | 48.0 | 550 | 4 | US-09-215-681-264 | Sequence 264, App |
| 123 | 1.3 | 48.0 | 108 | 5 | PCT-US95-09589-6 | Sequence 6, Appl1 | 196 | 12 | 48.0 | 552 | 4 | US-09-740-235-11 | Sequence 11, Appl1 |
| 124 | 1.3 | 48.0 | 108 | 5 | PCT-US95-09589A-6 | Sequence 6, Appl1 | 197 | 12 | 48.0 | 571 | 4 | US-09-404-879A-82 | Sequence 82, Appl1 |
| 125 | 1.3 | 48.0 | 214 | 5 | US-08-617-860B-7 | Sequence 7, Appl1 | 198 | 12 | 48.0 | 571 | 4 | US-09-338-933-82 | Sequence 82, Appl1 |
| 126 | 1.3 | 48.0 | 228 | 3 | US-09-188-930-52 | Sequence 52, Appl1 | 199 | 12 | 48.0 | 571 | 4 | US-09-215-681-82 | Sequence 82, Appl1 |
| 127 | 1.3 | 48.0 | 228 | 3 | US-09-188-930-240 | Sequence 240, App | 200 | 12 | 48.0 | 573 | 4 | US-08-316-165B-48 | Sequence 48, Appl1 |
| 128 | 1.3 | 48.0 | 228 | 4 | US-09-312-283C-52 | Sequence 52, Appl1 | 201 | 12 | 48.0 | 576 | 4 | US-09-501-115-41 | Sequence 41, Appl1 |
| 129 | 1.3 | 48.0 | 228 | 4 | US-09-312-283C-240 | Sequence 240, App | 202 | 12 | 48.0 | 597 | 3 | US-09-385-982-277 | Sequence 277, App |
| 130 | 1.3 | 48.0 | 227 | 4 | US-09-134-001C-1782 | Sequence 1782, App | 203 | 12 | 48.0 | 599 | 3 | US-09-385-982-74 | Sequence 74, Appl1 |
| 131 | 1.3 | 48.0 | 238 | 4 | US-09-016-434-444 | Sequence 444, App | 204 | 12 | 48.0 | 601 | 4 | US-09-702-705-121 | Sequence 121, App |
| 132 | 1.3 | 48.0 | 239 | 4 | US-09-392-184-32 | Sequence 32, Appl1 | 205 | 12 | 48.0 | 601 | 4 | US-09-736-457-121 | Sequence 121, App |
| 133 | 1.3 | 48.0 | 243 | 1 | US-08-248-474-35 | Sequence 35, Appl1 | 206 | 12 | 48.0 | 605 | 3 | US-09-385-982-84 | Sequence 84, Appl1 |
| 134 | 1.3 | 48.0 | 243 | 3 | US-08-756-849-35 | Sequence 35, Appl1 | 207 | 12 | 48.0 | 607 | 4 | US-09-702-705-161 | Sequence 161, App |
| 135 | 1.3 | 48.0 | 246 | 4 | US-09-107-532A-215 | Sequence 215, App | 208 | 12 | 48.0 | 627 | 3 | US-09-736-457-161 | Sequence 161, App |
| 136 | 1.3 | 48.0 | 293 | 4 | US-09-313-294A-1393 | Sequence 1393, App | 209 | 12 | 48.0 | 627 | 3 | US-09-385-982-186 | Sequence 186, App |
| 137 | 1.3 | 48.0 | 330 | 5 | PCT-US95-09589-1 | Sequence 1, Appl1 | 210 | 12 | 48.0 | 640 | 2 | US-08-805-117-2 | Sequence 2, Appl1 |
| 138 | 1.3 | 48.0 | 330 | 5 | PCT-US95-09589A-1 | Sequence 1, Appl1 | 211 | 12 | 48.0 | 640 | 3 | US-09-199-838-2 | Sequence 2, Appl1 |
| 139 | 1.3 | 48.0 | 334 | 5 | US-09-032-684-8 | Sequence 8, Appl1 | 212 | 12 | 48.0 | 676 | 3 | US-09-040-984-66 | Sequence 66, Appl1 |
| 140 | 1.3 | 48.0 | 332 | 3 | US-08-961-083-67 | Sequence 67, Appl1 | 213 | 12 | 48.0 | 676 | 4 | US-09-123-912-66 | Sequence 66, Appl1 |
| 141 | 1.3 | 48.0 | 332 | 4 | US-09-536-784-67 | Sequence 67, Appl1 | 214 | 12 | 48.0 | 676 | 4 | US-09-643-597A-66 | Sequence 66, Appl1 |
| 142 | 1.3 | 48.0 | 357 | 1 | US-08-487-748A-1 | Sequence 1, Appl1 | 215 | 12 | 48.0 | 676 | 4 | US-09-480-884A-66 | Sequence 66, Appl1 |
| 143 | 1.3 | 48.0 | 357 | 3 | US-08-398-633-1 | Sequence 1, Appl1 | 216 | 12 | 48.0 | 676 | 4 | US-09-542-615A-66 | Sequence 66, Appl1 |
| 144 | 1.3 | 48.0 | 357 | 3 | US-08-480-070C-1 | Sequence 1, Appl1 | 217 | 12 | 48.0 | 676 | 4 | US-09-542-615A-66 | Sequence 66, Appl1 |
| 145 | 1.3 | 48.0 | 357 | 3 | US-08-829-525-1 | Sequence 1, Appl1 | 218 | 12 | 48.0 | 688 | 3 | US-09-328-111-273 | Sequence 273, App |
| 146 | 1.3 | 48.0 | 357 | 3 | US-08-609-583A-1 | Sequence 1, Appl1 | 219 | 12 | 48.0 | 697 | 3 | US-09-328-111-103 | Sequence 103, App |
| 147 | 1.3 | 48.0 | 357 | 3 | US-08-937-399-1 | Sequence 1, Appl1 | 220 | 12 | 48.0 | 734 | 3 | US-09-232-191-16 | Sequence 16, Appl1 |
| 148 | 1.3 | 48.0 | 357 | 4 | US-09-310-367-1 | Sequence 1, Appl1 | 221 | 12 | 48.0 | 734 | 3 | US-09-232-200-16 | Sequence 16, Appl1 |
| 149 | 1.3 | 48.0 | 357 | 4 | US-09-032-337-1 | Sequence 1, Appl1 | 222 | 12 | 48.0 | 734 | 4 | US-09-332-197-16 | Sequence 16, Appl1 |
| 150 | 1.3 | 48.0 | 357 | 4 | US-09-464-231-1 | Sequence 1, Appl1 | 223 | 12 | 48.0 | 734 | 4 | US-08-991-789A-177 | Sequence 177, App |
| 151 | 1.3 | 48.0 | 381 | 4 | US-09-107-532A-3464 | Sequence 3464, App | 224 | 12 | 48.0 | 788 | 3 | US-09-332-201-16 | Sequence 16, Appl1 |
| 152 | 1.3 | 48.0 | 387 | 4 | US-09-107-532A-636 | Sequence 636, App | 225 | 12 | 48.0 | 788 | 4 | US-09-062-451-177 | Sequence 177, App |
| 153 | 1.3 | 48.0 | 394 | 4 | US-09-702-705-1265 | Sequence 1265, App | 226 | 12 | 48.0 | 788 | 4 | US-09-598-326-177 | Sequence 177, App |
| 154 | 1.3 | 48.0 | 394 | 4 | US-09-736-457-1265 | Sequence 1265, App | 227 | 12 | 48.0 | 788 | 4 | US-09-289-198-177 | Sequence 177, App |
| 155 | 1.3 | 48.0 | 396 | 3 | US-08-905-223-118 | Sequence 118, App | 228 | 12 | 48.0 | 795 | 4 | US-09-134-001C-2755 | Sequence 2755, App |
| 156 | 1.3 | 48.0 | 396 | 4 | US-09-702-705-21 | Sequence 21, Appl1 | 229 | 12 | 48.0 | 795 | 4 | US-09-352-991A-7348 | Sequence 7348, App |
| 157 | 1.3 | 48.0 | 396 | 4 | US-09-736-457-21 | Sequence 21, Appl1 | 230 | 12 | 48.0 | 816 | 4 | US-09-134-001C-1780 | Sequence 1780, App |
| 158 | 1.3 | 48.0 | 397 | 4 | US-09-404-879A-186 | Sequence 186, App | 231 | 12 | 48.0 | 819 | 3 | US-08-792-014-2 | Sequence 2, Appl1 |
| 159 | 1.3 | 48.0 | 397 | 4 | US-09-338-933-186 | Sequence 186, App | 232 | 12 | 48.0 | 819 | 3 | US-09-443-948-2 | Sequence 2, Appl1 |
| 160 | 1.3 | 48.0 | 397 | 4 | US-09-215-681-186 | Sequence 186, App | 233 | 12 | 48.0 | 819 | 4 | US-09-690-196-2 | Sequence 2, Appl1 |
| 161 | 1.3 | 48.0 | 399 | 4 | US-09-221-017B-800 | Sequence 800, App | 234 | 12 | 48.0 | 903 | 4 | US-09-328-352-2588 | Sequence 2588, App |
| 162 | 1.3 | 48.0 | 423 | 1 | US-08-076-091C-3 | Sequence 3, Appl1 | 235 | 12 | 48.0 | 908 | 4 | US-09-016-434-807 | Sequence 807, Appl1 |
| 163 | 1.3 | 48.0 | 423 | 1 | US-08-285-641-3 | Sequence 3, Appl1 | 236 | 12 | 48.0 | 915 | 4 | US-09-404-235-10 | Sequence 10, Appl1 |
| 164 | 1.3 | 48.0 | 437 | 4 | US-09-397-787-315 | Sequence 315, App | 237 | 12 | 48.0 | 925 | 3 | US-09-730-380-7 | Sequence 7, Appl1 |
| 165 | 1.3 | 48.0 | 444 | 4 | US-09-397-787-161 | Sequence 161, App | 238 | 12 | 48.0 | 969 | 1 | US-08-664-596B-4 | Sequence 4, Appl1 |
| 166 | 1.3 | 48.0 | 444 | 4 | US-09-107-532A-1649 | Sequence 1649, App | 239 | 12 | 48.0 | 969 | 1 | US-08-721-798A-1 | Sequence 1, Appl1 |
| 167 | 1.3 | 48.0 | 451 | 4 | US-09-702-705-400 | Sequence 400, App | 240 | 12 | 48.0 | 1000 | 4 | US-09-322-938A-36 | Sequence 36, Appl1 |
| 168 | 1.3 | 48.0 | 451 | 4 | US-09-736-457-400 | Sequence 400, App | 241 | 12 | 48.0 | 1011 | 4 | US-09-352-991A-3833 | Sequence 3833, App |
| 169 | 1.3 | 48.0 | 454 | 4 | US-09-702-705-1123 | Sequence 1123, App | 242 | 12 | 48.0 | 1020 | 3 | US-08-707-399B-3 | Sequence 3, Appl1 |
| 170 | 1.3 | 48.0 | 454 | 4 | US-09-736-457-1123 | Sequence 1123, App | 243 | 12 | 48.0 | 1023 | 3 | US-09-328-352-3708 | Sequence 3708, App |
| 171 | 1.3 | 48.0 | 457 | 4 | US-09-389-681-297 | Sequence 297, App | 244 | 12 | 48.0 | 1024 | 4 | US-09-328-475C-65 | Sequence 65, Appl1 |
| 172 | 1.3 | 48.0 | 457 | 4 | US-09-620-405B-297 | Sequence 297, App | 245 | 12 | 48.0 | 1024 | 4 | US-09-328-475C-66 | Sequence 66, Appl1 |
| 173 | 1.3 | 48.0 | 457 | 4 | US-09-339-338-297 | Sequence 297, App | 246 | 12 | 48.0 | 1063 | 1 | US-08-325-562-1 | Sequence 1, Appl1 |

| | | | | | | | | | | | | | |
|-------|----|------|------|---|---------------------|--------------------|-------|----|------|------|---|--------------------|--------------------|
| 247 | 12 | 48.0 | 1063 | 1 | US-08-437-795-1 | Sequence 1, Appl1 | C 320 | 12 | 48.0 | 1113 | 3 | US-09-068-960-1 | Sequence 1, Appl1 |
| C 248 | 12 | 48.0 | 1131 | 1 | US-08-500-822-5 | Sequence 5, Appl1 | C 321 | 12 | 48.0 | 1113 | 3 | US-09-068-960-3 | Sequence 3, Appl1 |
| C 249 | 12 | 48.0 | 1131 | 1 | US-08-500-125-5 | Sequence 5, Appl1 | C 322 | 12 | 48.0 | 1113 | 3 | US-09-068-960-5 | Sequence 5, Appl1 |
| C 250 | 12 | 48.0 | 1131 | 2 | US-07-779-704B-5 | Sequence 5, Appl1 | C 323 | 12 | 48.0 | 1113 | 3 | US-09-068-960-7 | Sequence 7, Appl1 |
| C 251 | 12 | 48.0 | 1161 | 3 | US-08-867-611-11 | Sequence 11, Appl1 | C 324 | 12 | 48.0 | 1113 | 3 | US-09-068-960-9 | Sequence 9, Appl1 |
| C 252 | 12 | 48.0 | 1161 | 5 | PCT-US92-06965A-16 | Sequence 16, Appl1 | C 325 | 12 | 48.0 | 1113 | 4 | US-09-453-702B-143 | Sequence 143, App |
| C 253 | 12 | 48.0 | 1169 | 4 | US-09-342-681C-101 | Sequence 101, App | C 326 | 12 | 48.0 | 1136 | 4 | US-09-620-312D-540 | Sequence 540, App |
| C 254 | 12 | 48.0 | 1179 | 3 | US-08-867-611-13 | Sequence 13, Appl1 | C 327 | 12 | 48.0 | 1144 | 4 | US-09-328-325-999 | Sequence 999, App |
| C 255 | 12 | 48.0 | 1179 | 5 | PCT-US92-06965A-18 | Sequence 18, Appl1 | C 328 | 12 | 48.0 | 1144 | 3 | US-08-961-083-131 | Sequence 131, App |
| C 256 | 12 | 48.0 | 1182 | 2 | US-08-977-554-1 | Sequence 1, Appl1 | C 329 | 12 | 48.0 | 1444 | 4 | US-09-536-784-131 | Sequence 131, App |
| C 257 | 12 | 48.0 | 1182 | 3 | US-09-225-967-1 | Sequence 1, Appl1 | C 330 | 12 | 48.0 | 1753 | 6 | 5225348-2 | Patent No. 5225348 |
| C 258 | 12 | 48.0 | 1182 | 3 | US-09-227-806-1 | Sequence 1, Appl1 | C 331 | 12 | 48.0 | 1767 | 2 | US-08-841-178-21 | Sequence 21, Appl1 |
| C 259 | 12 | 48.0 | 1219 | 2 | US-08-978-404B-7 | Sequence 7, Appl1 | C 332 | 12 | 48.0 | 1777 | 3 | US-09-058-260-25 | Sequence 25, Appl1 |
| C 260 | 12 | 48.0 | 1245 | 4 | US-09-107-532A-3403 | Sequence 1743, App | C 333 | 12 | 48.0 | 1791 | 5 | US-08-867-611-15 | Sequence 15, Appl1 |
| C 261 | 12 | 48.0 | 1246 | 4 | US-09-220-132-174 | Sequence 140, App | C 334 | 12 | 48.0 | 1911 | 5 | PCT-US92-06965A-20 | Sequence 20, Appl1 |
| C 262 | 12 | 48.0 | 1251 | 3 | US-08-867-611-19 | Sequence 19, Appl1 | C 335 | 12 | 48.0 | 1917 | 5 | US-08-867-611-17 | Sequence 17, Appl1 |
| C 263 | 12 | 48.0 | 1251 | 5 | PCT-US92-06965A-24 | Sequence 24, Appl1 | C 336 | 12 | 48.0 | 1997 | 5 | PCT-US92-06965A-22 | Sequence 22, Appl1 |
| C 264 | 12 | 48.0 | 1274 | 4 | US-09-205-258-77 | Sequence 77, Appl1 | C 337 | 12 | 48.0 | 1997 | 5 | US-09-171-710-5 | Sequence 5, Appl1 |
| C 265 | 12 | 48.0 | 1275 | 3 | US-08-867-611-21 | Sequence 21, Appl1 | C 338 | 12 | 48.0 | 1822 | 1 | US-07-841-646-1 | Sequence 1, Appl1 |
| C 266 | 12 | 48.0 | 1275 | 5 | PCT-US92-06965A-26 | Sequence 26, Appl1 | C 339 | 12 | 48.0 | 1822 | 1 | US-07-901-703-1 | Sequence 1, Appl1 |
| C 267 | 12 | 48.0 | 1290 | 4 | US-09-252-991A-3792 | Sequence 3792, Ap | C 340 | 12 | 48.0 | 1822 | 1 | US-08-147-023-1 | Sequence 1, Appl1 |
| C 268 | 12 | 48.0 | 1299 | 1 | US-08-678-304-3 | Sequence 3, Appl1 | C 341 | 12 | 48.0 | 1822 | 1 | US-08-306-864-1 | Sequence 1, Appl1 |
| C 269 | 12 | 48.0 | 1329 | 4 | US-09-328-352-1622 | Sequence 1622, Ap | C 342 | 12 | 48.0 | 1822 | 1 | US-08-278-722A-16 | Sequence 16, Appl1 |
| C 270 | 12 | 48.0 | 1332 | 3 | US-09-333-423-1 | Sequence 1, Appl1 | C 343 | 12 | 48.0 | 1822 | 1 | US-08-480-528A-3 | Sequence 3, Appl1 |
| C 271 | 12 | 48.0 | 1365 | 4 | US-09-252-991A-289 | Sequence 289, App | C 344 | 12 | 48.0 | 1822 | 1 | US-08-479-666-3 | Sequence 3, Appl1 |
| C 272 | 12 | 48.0 | 1368 | 3 | US-08-707-329A-1 | Sequence 1, Appl1 | C 345 | 12 | 48.0 | 1822 | 1 | US-08-155-343A-16 | Sequence 16, Appl1 |
| C 273 | 12 | 48.0 | 1386 | 2 | US-08-912-129A-59 | Sequence 59, Appl1 | C 346 | 12 | 48.0 | 1822 | 1 | US-08-406-672-16 | Sequence 16, Appl1 |
| C 274 | 12 | 48.0 | 1389 | 4 | US-09-501-115-11 | Sequence 11, Appl1 | C 347 | 12 | 48.0 | 1822 | 1 | US-08-643-563A-16 | Sequence 16, Appl1 |
| C 275 | 12 | 48.0 | 1393 | 1 | US-08-174-467-18 | Sequence 18, Appl1 | C 348 | 12 | 48.0 | 1822 | 1 | US-08-447-570-1 | Sequence 1, Appl1 |
| C 276 | 12 | 48.0 | 1393 | 3 | US-08-452-071-18 | Sequence 18, Appl1 | C 349 | 12 | 48.0 | 1822 | 1 | US-08-643-763A-16 | Sequence 16, Appl1 |
| C 277 | 12 | 48.0 | 1395 | 1 | US-08-806-581A-1 | Sequence 1, Appl1 | C 350 | 12 | 48.0 | 1822 | 1 | US-08-462-623-16 | Sequence 16, Appl1 |
| C 278 | 12 | 48.0 | 1400 | 4 | US-09-428-589-1 | Sequence 1, Appl1 | C 351 | 12 | 48.0 | 1822 | 1 | US-08-451-953A-16 | Sequence 16, Appl1 |
| C 279 | 12 | 48.0 | 1401 | 3 | US-08-867-611-23 | Sequence 23, Appl1 | C 352 | 12 | 48.0 | 1822 | 2 | US-08-459-346-1 | Sequence 1, Appl1 |
| C 280 | 12 | 48.0 | 1401 | 3 | US-08-867-611-27 | Sequence 27, Appl1 | C 353 | 12 | 48.0 | 1822 | 2 | US-08-445-468A-16 | Sequence 16, Appl1 |
| C 281 | 12 | 48.0 | 1401 | 5 | PCT-US92-06965A-28 | Sequence 28, Appl1 | C 354 | 12 | 48.0 | 1822 | 2 | US-08-901-200A-3 | Sequence 3, Appl1 |
| C 282 | 12 | 48.0 | 1401 | 5 | PCT-US92-06965A-32 | Sequence 32, Appl1 | C 355 | 12 | 48.0 | 1822 | 2 | US-08-481-373A-9 | Sequence 9, Appl1 |
| C 283 | 12 | 48.0 | 1415 | 3 | US-09-414-436-2 | Sequence 2, Appl1 | C 356 | 12 | 48.0 | 1822 | 2 | US-08-449-700-1 | Sequence 1, Appl1 |
| C 284 | 12 | 48.0 | 1419 | 1 | US-08-174-467-17 | Sequence 17, Appl1 | C 357 | 12 | 48.0 | 1822 | 2 | US-08-449-699A-1 | Sequence 1, Appl1 |
| C 285 | 12 | 48.0 | 1419 | 3 | US-08-452-071-17 | Sequence 17, Appl1 | C 358 | 12 | 48.0 | 1822 | 2 | US-08-696-268B-3 | Sequence 3, Appl1 |
| C 286 | 12 | 48.0 | 1422 | 3 | US-08-867-611-25 | Sequence 25, Appl1 | C 359 | 12 | 48.0 | 1822 | 2 | US-08-461-397A-16 | Sequence 16, Appl1 |
| C 287 | 12 | 48.0 | 1422 | 5 | PCT-US92-06965A-30 | Sequence 30, Appl1 | C 360 | 12 | 48.0 | 1822 | 2 | US-08-912-088-16 | Sequence 16, Appl1 |
| C 288 | 12 | 48.0 | 1438 | 3 | US-08-434-099A-26 | Sequence 26, Appl1 | C 361 | 12 | 48.0 | 1822 | 3 | US-08-778-730A-16 | Sequence 16, Appl1 |
| C 289 | 12 | 48.0 | 1440 | 2 | US-08-743-637B-174 | Sequence 174, App | C 362 | 12 | 48.0 | 1822 | 3 | US-08-458-811-1 | Sequence 1, Appl1 |
| C 290 | 12 | 48.0 | 1440 | 3 | US-08-526-840B-174 | Sequence 174, App | C 363 | 12 | 48.0 | 1822 | 3 | US-08-889-419-1 | Sequence 1, Appl1 |
| C 291 | 12 | 48.0 | 1440 | 4 | US-09-107-532A-3398 | Sequence 3398, Ap | C 364 | 12 | 48.0 | 1822 | 3 | US-08-445-467-16 | Sequence 16, Appl1 |
| C 292 | 12 | 48.0 | 1476 | 2 | US-08-912-129A-49 | Sequence 49, Appl1 | C 365 | 12 | 48.0 | 1822 | 3 | US-08-480-515A-16 | Sequence 16, Appl1 |
| C 293 | 12 | 48.0 | 1480 | 2 | US-08-839-008-8 | Sequence 8, Appl1 | C 366 | 12 | 48.0 | 1822 | 3 | US-08-459-129-1 | Sequence 1, Appl1 |
| C 294 | 12 | 48.0 | 1484 | 2 | US-08-185-828A-22 | Sequence 22, Appl1 | C 367 | 12 | 48.0 | 1822 | 3 | US-09-219-391-3 | Sequence 3, Appl1 |
| C 295 | 12 | 48.0 | 1488 | 3 | US-08-867-611-9 | Sequence 9, Appl1 | C 368 | 12 | 48.0 | 1822 | 3 | US-09-019-339B-1 | Sequence 1, Appl1 |
| C 296 | 12 | 48.0 | 1488 | 5 | PCT-US92-06965A-14 | Sequence 14, Appl1 | C 369 | 12 | 48.0 | 1822 | 4 | US-09-170-938-16 | Sequence 16, Appl1 |
| C 297 | 12 | 48.0 | 1497 | 1 | US-08-500-222-1 | Sequence 1, Appl1 | C 370 | 12 | 48.0 | 1822 | 4 | US-08-402-545-1 | Sequence 1, Appl1 |
| C 298 | 12 | 48.0 | 1497 | 1 | US-08-500-125-1 | Sequence 1, Appl1 | C 371 | 12 | 48.0 | 1822 | 4 | US-08-461-113-16 | Sequence 16, Appl1 |
| C 299 | 12 | 48.0 | 1497 | 2 | US-07-779-704B-1 | Sequence 1, Appl1 | C 372 | 12 | 48.0 | 1822 | 4 | US-08-828-281B-4 | Sequence 4, Appl1 |
| C 300 | 12 | 48.0 | 1504 | 2 | US-08-839-008-4 | Sequence 4, Appl1 | C 373 | 12 | 48.0 | 1822 | 4 | US-09-887-901-1 | Sequence 1, Appl1 |
| C 301 | 12 | 48.0 | 1506 | 2 | US-08-839-008-6 | Sequence 6, Appl1 | C 374 | 12 | 48.0 | 1822 | 4 | US-08-456-033-16 | Sequence 16, Appl1 |
| C 302 | 12 | 48.0 | 1522 | 4 | US-09-620-312D-96 | Sequence 96, Appl1 | C 375 | 12 | 48.0 | 1822 | 4 | US-08-643-321-15 | Sequence 15, Appl1 |
| C 303 | 12 | 48.0 | 1537 | 2 | US-08-185-828A-11 | Sequence 11, Appl1 | C 376 | 12 | 48.0 | 1822 | 4 | US-08-938-622-1 | Sequence 1, Appl1 |
| C 304 | 12 | 48.0 | 1537 | 2 | US-08-839-008-1 | Sequence 1, Appl1 | C 377 | 12 | 48.0 | 1822 | 4 | US-09-148-925C-1 | Sequence 1, Appl1 |
| C 305 | 12 | 48.0 | 1539 | 2 | US-08-899-811-22 | Sequence 22, Appl1 | C 378 | 12 | 48.0 | 1822 | 4 | US-08-957-425-1 | Sequence 1, Appl1 |
| C 306 | 12 | 48.0 | 1548 | 3 | US-08-867-611-5 | Sequence 5, Appl1 | C 379 | 12 | 48.0 | 1822 | 5 | PCT-US91-07654-3 | Sequence 3, Appl1 |
| C 307 | 12 | 48.0 | 1548 | 5 | PCT-US92-06965A-10 | Sequence 10, Appl1 | C 380 | 12 | 48.0 | 1822 | 5 | PCT-US91-07654-3 | Sequence 1, Appl1 |
| C 308 | 12 | 48.0 | 1563 | 3 | US-08-738-168B-11 | Sequence 11, Appl1 | C 381 | 12 | 48.0 | 1822 | 5 | PCT-US92-01968B-16 | Sequence 16, Appl1 |
| C 309 | 12 | 48.0 | 1593 | 4 | US-09-676-610B-25 | Sequence 25, Appl1 | C 382 | 12 | 48.0 | 1822 | 5 | PCT-US93-05446-1 | Sequence 1, Appl1 |
| C 310 | 12 | 48.0 | 1623 | 3 | US-08-867-611-7 | Sequence 7, Appl1 | C 383 | 12 | 48.0 | 1822 | 5 | PCT-US93-07189-1 | Sequence 1, Appl1 |
| C 311 | 12 | 48.0 | 1623 | 5 | PCT-US92-06965A-12 | Sequence 12, Appl1 | C 384 | 12 | 48.0 | 1822 | 5 | PCT-US93-07190-16 | Sequence 16, Appl1 |
| C 312 | 12 | 48.0 | 1644 | 4 | US-09-312-183A-1 | Sequence 1, Appl1 | C 385 | 12 | 48.0 | 1822 | 5 | PCT-US93-07231-16 | Sequence 16, Appl1 |
| C 313 | 12 | 48.0 | 1668 | 4 | US-09-620-312D-6 | Sequence 6, Appl1 | C 386 | 12 | 48.0 | 1822 | 5 | PCT-US93-08742-16 | Sequence 16, Appl1 |
| C 314 | 12 | 48.0 | 1668 | 4 | US-09-620-312D-127 | Sequence 127, App | C 387 | 12 | 48.0 | 1822 | 5 | PCT-US93-08808-16 | Sequence 16, Appl1 |
| C 315 | 12 | 48.0 | 1707 | 4 | US-08-939-309-1 | Sequence 1, Appl1 | C 388 | 12 | 48.0 | 1822 | 5 | PCT-US93-08885-16 | Sequence 16, Appl1 |
| C 316 | 12 | 48.0 | 1707 | 4 | US-09-849-180-1 | Sequence 1, Appl1 | C 389 | 12 | 48.0 | 1822 | 5 | PCT-US93-10520-3 | Sequence 3, Appl1 |
| C 317 | 12 | 48.0 | 1707 | 4 | US-09-356-643B-5 | Sequence 5, Appl1 | C 390 | 12 | 48.0 | 1822 | 5 | PCT-US93-05467-9 | Sequence 9, Appl1 |
| C 318 | 12 | 48.0 | 1713 | 2 | US-08-669-524-1 | Sequence 1, Appl1 | C 391 | 12 | 48.0 | 1822 | 5 | PCT-US93-06724-1 | Sequence 1, Appl1 |
| C 319 | 12 | 48.0 | 1713 | 2 | US-08-669-524-2 | Sequence 2, Appl1 | C 392 | 12 | 48.0 | 1845 | 1 | US-07-951-715A-5 | Sequence 5, Appl1 |

| | | | | | | | | | | | | | |
|-----|----|------|------|---|---------------------|--------------------|-------|----|------|------|---|---------------------|--------------------|
| 393 | 12 | 48.0 | 1845 | 2 | US-08-459-448A-5 | Sequence 5, Appl1 | C 466 | 12 | 48.0 | 2553 | 3 | US-08-738-168B-12 | Sequence 12, Appl1 |
| 394 | 12 | 48.0 | 1845 | 2 | US-08-841-178-22 | Sequence 22, Appl1 | C 467 | 12 | 48.0 | 2553 | 3 | US-08-476-123-3 | Sequence 1, Appl1 |
| 395 | 12 | 48.0 | 1845 | 2 | US-08-459-595A-5 | Sequence 5, Appl1 | C 468 | 12 | 48.0 | 2661 | 3 | US-09-634-955B-1 | Sequence 1, Appl1 |
| 396 | 12 | 48.0 | 1845 | 3 | US-08-459-504B-5 | Sequence 5, Appl1 | C 469 | 12 | 48.0 | 2742 | 4 | US-09-252-991A-3678 | Sequence 3678, Ap |
| 397 | 12 | 48.0 | 1845 | 4 | US-08-459-444-5 | Sequence 5, Appl1 | C 470 | 12 | 48.0 | 2747 | 2 | US-08-874-347-1 | Sequence 1, Appl1 |
| 398 | 12 | 48.0 | 1845 | 4 | US-09-547-422-5 | Sequence 5, Appl1 | C 471 | 12 | 48.0 | 2747 | 3 | US-09-093-522-1 | Sequence 1, Appl1 |
| 399 | 12 | 48.0 | 1851 | 3 | US-09-042-426-3 | Sequence 3, Appl1 | C 472 | 12 | 48.0 | 2794 | 4 | US-09-513-057C-32 | Sequence 32, Appl1 |
| 400 | 12 | 48.0 | 1851 | 3 | US-08-867-611-29 | Sequence 29, Appl1 | C 473 | 12 | 48.0 | 2907 | 3 | US-09-332-200-52 | Sequence 52, Appl1 |
| 401 | 12 | 48.0 | 1851 | 3 | US-09-291-238-3 | Sequence 3, Appl1 | C 474 | 12 | 48.0 | 2907 | 4 | US-09-332-201-52 | Sequence 52, Appl1 |
| 402 | 12 | 48.0 | 1851 | 3 | US-09-330-760-3 | Sequence 3, Appl1 | C 475 | 12 | 48.0 | 2911 | 4 | US-09-171-710-1 | Sequence 1, Appl1 |
| 403 | 12 | 48.0 | 1851 | 3 | US-09-328-473-3 | Sequence 3, Appl1 | C 476 | 12 | 48.0 | 2911 | 4 | US-08-961-527-199 | Sequence 199, App |
| 404 | 12 | 48.0 | 1851 | 3 | US-09-330-737-3 | Sequence 3, Appl1 | C 477 | 12 | 48.0 | 2917 | 3 | US-09-332-200-26 | Sequence 26, Appl1 |
| 405 | 12 | 48.0 | 1851 | 4 | US-09-329-169-3 | Sequence 3, Appl1 | C 478 | 12 | 48.0 | 2917 | 3 | US-09-332-197-26 | Sequence 26, Appl1 |
| 406 | 12 | 48.0 | 1851 | 4 | US-09-330-714A-3 | Sequence 3, Appl1 | C 479 | 12 | 48.0 | 2917 | 4 | US-09-332-201-26 | Sequence 26, Appl1 |
| 407 | 12 | 48.0 | 1851 | 4 | US-09-328-826-3 | Sequence 3, Appl1 | C 480 | 12 | 48.0 | 3030 | 4 | US-09-152-060-51 | Sequence 51, Appl1 |
| 408 | 12 | 48.0 | 1851 | 4 | US-09-289-170-3 | Sequence 3, Appl1 | C 481 | 12 | 48.0 | 3044 | 4 | US-09-152-060-36 | Sequence 36, Appl1 |
| 409 | 12 | 48.0 | 1851 | 4 | PCT-US92-06965A-34 | Sequence 34, Appl1 | C 482 | 12 | 48.0 | 3065 | 4 | US-09-171-710-3 | Sequence 3, Appl1 |
| 410 | 12 | 48.0 | 1854 | 4 | US-09-107-532A-3174 | Sequence 3174, Ap | C 483 | 12 | 48.0 | 3100 | 4 | US-09-423-468A-14 | Sequence 14, Appl1 |
| 411 | 12 | 48.0 | 1858 | 3 | US-08-742-185-96 | Sequence 96, Appl1 | C 484 | 12 | 48.0 | 3189 | 4 | US-09-447-399-1 | Sequence 1, Appl1 |
| 412 | 12 | 48.0 | 1860 | 4 | US-08-912-129A-53 | Sequence 53, Appl1 | C 485 | 12 | 48.0 | 3208 | 1 | US-07-972-791-3 | Sequence 3, Appl1 |
| 413 | 12 | 48.0 | 1865 | 4 | US-08-620-312D-539 | Sequence 539, App | C 486 | 12 | 48.0 | 3240 | 3 | US-09-262-773-3 | Sequence 3, Appl1 |
| 414 | 12 | 48.0 | 1868 | 4 | US-08-658-883B-1 | Sequence 1, Appl1 | C 487 | 12 | 48.0 | 3240 | 3 | US-09-262-773-3 | Sequence 3, Appl1 |
| 415 | 12 | 48.0 | 1868 | 4 | US-09-676-610B-26 | Sequence 26, Appl1 | C 488 | 12 | 48.0 | 3264 | 3 | US-09-262-773-5 | Sequence 5, Appl1 |
| 416 | 12 | 48.0 | 1878 | 3 | US-08-478-097A-31 | Sequence 31, Appl1 | C 489 | 12 | 48.0 | 3268 | 3 | US-09-262-773-1 | Sequence 1, Appl1 |
| 417 | 12 | 48.0 | 1878 | 3 | US-09-456-398-31 | Sequence 31, Appl1 | C 490 | 12 | 48.0 | 3336 | 2 | US-08-977-554-7 | Sequence 7, Appl1 |
| 418 | 12 | 48.0 | 1886 | 4 | US-09-232-200-30 | Sequence 30, Appl1 | C 491 | 12 | 48.0 | 3336 | 2 | US-08-978-456-7 | Sequence 7, Appl1 |
| 419 | 12 | 48.0 | 1896 | 4 | US-09-232-197-30 | Sequence 30, Appl1 | C 492 | 12 | 48.0 | 3336 | 3 | US-09-325-967-7 | Sequence 7, Appl1 |
| 420 | 12 | 48.0 | 1896 | 4 | US-09-232-201-30 | Sequence 30, Appl1 | C 493 | 12 | 48.0 | 3336 | 3 | US-09-369-700-7 | Sequence 7, Appl1 |
| 421 | 12 | 48.0 | 1921 | 2 | US-08-841-178-33 | Sequence 23, Appl1 | C 494 | 12 | 48.0 | 3336 | 3 | US-09-327-806-7 | Sequence 7, Appl1 |
| 422 | 12 | 48.0 | 1930 | 4 | US-08-987-367-1 | Sequence 1, Appl1 | C 495 | 12 | 48.0 | 3336 | 3 | US-09-491-916-5 | Sequence 5, Appl1 |
| 423 | 12 | 48.0 | 1941 | 4 | US-09-252-991A-248 | Sequence 248, App | C 496 | 12 | 48.0 | 3336 | 4 | US-08-977-866-7 | Sequence 7, Appl1 |
| 424 | 12 | 48.0 | 1975 | 1 | US-08-484-105-11 | Sequence 11, Appl1 | C 497 | 12 | 48.0 | 3346 | 1 | US-07-972-791-7 | Sequence 7, Appl1 |
| 425 | 12 | 48.0 | 1975 | 1 | US-08-484-106-11 | Sequence 11, Appl1 | C 498 | 12 | 48.0 | 3346 | 1 | US-07-972-791-4 | Sequence 4, Appl1 |
| 426 | 12 | 48.0 | 1991 | 4 | US-09-369-247-35 | Sequence 35, Appl1 | C 499 | 12 | 48.0 | 3346 | 1 | US-07-972-791-5 | Sequence 5, Appl1 |
| 427 | 12 | 48.0 | 2016 | 4 | US-09-328-352-742 | Sequence 3742, Ap | C 500 | 12 | 48.0 | 3346 | 1 | US-07-972-791-5 | Sequence 5, Appl1 |
| 428 | 12 | 48.0 | 2061 | 2 | US-08-835-170-1 | Sequence 1, Appl1 | C 501 | 12 | 48.0 | 3347 | 1 | US-07-972-791-2 | Sequence 2, Appl1 |
| 429 | 12 | 48.0 | 2061 | 3 | US-09-359-257-1 | Sequence 1, Appl1 | C 502 | 12 | 48.0 | 3347 | 1 | US-07-972-791-8 | Sequence 8, Appl1 |
| 430 | 12 | 48.0 | 2061 | 4 | US-09-371-674-1 | Sequence 1, Appl1 | C 503 | 12 | 48.0 | 3349 | 4 | US-09-375-318-36 | Sequence 36, Appl1 |
| 431 | 12 | 48.0 | 2065 | 3 | US-09-319-989-5 | Sequence 5, Appl1 | C 504 | 12 | 48.0 | 3361 | 1 | US-07-972-791-6 | Sequence 6, Appl1 |
| 432 | 12 | 48.0 | 2076 | 4 | US-09-252-991A-238 | Sequence 238, App | C 505 | 12 | 48.0 | 3378 | 1 | US-07-972-791-1 | Sequence 1, Appl1 |
| 433 | 12 | 48.0 | 2100 | 3 | US-08-913-805A-9 | Sequence 9, Appl1 | C 506 | 12 | 48.0 | 3415 | 1 | US-08-054-077C-1 | Sequence 3, Appl1 |
| 434 | 12 | 48.0 | 2100 | 3 | US-09-442-629-9 | Sequence 9, Appl1 | C 507 | 12 | 48.0 | 3430 | 4 | US-09-447-399-3 | Sequence 2, Appl1 |
| 435 | 12 | 48.0 | 2122 | 3 | US-08-738-168B-4 | Sequence 4, Appl1 | C 508 | 12 | 48.0 | 3430 | 4 | US-09-447-399-3 | Sequence 2, Appl1 |
| 436 | 12 | 48.0 | 2128 | 2 | US-08-371-377-46 | Sequence 16, Appl1 | C 509 | 12 | 48.0 | 3443 | 1 | US-08-471-112A-2 | Sequence 1, Appl1 |
| 437 | 12 | 48.0 | 2152 | 1 | US-08-188-582-17 | Sequence 17, Appl1 | C 510 | 12 | 48.0 | 3478 | 1 | US-08-530-492-1 | Sequence 1, Appl1 |
| 438 | 12 | 48.0 | 2152 | 1 | US-08-666-715-17 | Sequence 17, Appl1 | C 511 | 12 | 48.0 | 3478 | 1 | US-08-530-492-1 | Sequence 1, Appl1 |
| 439 | 12 | 48.0 | 2217 | 1 | US-08-543-881-1 | Sequence 1, Appl1 | C 512 | 12 | 48.0 | 3484 | 3 | US-08-906-517-1 | Sequence 1, Appl1 |
| 440 | 12 | 48.0 | 2217 | 1 | US-08-291-299-1 | Sequence 1, Appl1 | C 513 | 12 | 48.0 | 3484 | 3 | US-08-906-517-1 | Sequence 1, Appl1 |
| 441 | 12 | 48.0 | 2217 | 5 | PCT-US94-00119-1 | Sequence 1, Appl1 | C 514 | 12 | 48.0 | 3484 | 3 | US-08-906-517-105 | Sequence 105, App |
| 442 | 12 | 48.0 | 2217 | 5 | PCT-US95-10579-1 | Sequence 1, Appl1 | C 515 | 12 | 48.0 | 3537 | 2 | US-08-909-965C-7 | Sequence 7, Appl1 |
| 443 | 12 | 48.0 | 2237 | 4 | US-08-914-999-7 | Sequence 7, Appl1 | C 516 | 12 | 48.0 | 3531 | 2 | US-08-530-492-3 | Sequence 3, Appl1 |
| 444 | 12 | 48.0 | 2271 | 4 | US-09-904-615-52 | Sequence 52, Appl1 | C 517 | 12 | 48.0 | 3531 | 2 | US-08-841-178-27 | Sequence 27, Appl1 |
| 445 | 12 | 48.0 | 2306 | 1 | US-08-378-658-3 | Sequence 3, Appl1 | C 518 | 12 | 48.0 | 3531 | 2 | US-08-714-402-1 | Sequence 1, Appl1 |
| 446 | 12 | 48.0 | 2306 | 5 | PCT-US96-00728-3 | Sequence 3, Appl1 | C 519 | 12 | 48.0 | 3531 | 3 | US-08-906-517-3 | Sequence 3, Appl1 |
| 447 | 12 | 48.0 | 2309 | 4 | US-09-016-434-1249 | Sequence 1249, Ap | C 520 | 12 | 48.0 | 3534 | 2 | US-08-841-178-24 | Sequence 24, Appl1 |
| 448 | 12 | 48.0 | 2327 | 2 | US-08-835-170-3 | Sequence 3, Appl1 | C 521 | 12 | 48.0 | 3534 | 2 | US-08-841-178-25 | Sequence 25, Appl1 |
| 449 | 12 | 48.0 | 2327 | 4 | US-09-359-257-3 | Sequence 3, Appl1 | C 522 | 12 | 48.0 | 3537 | 4 | US-08-916-438-26 | Sequence 26, Appl1 |
| 450 | 12 | 48.0 | 2337 | 4 | US-09-371-674-3 | Sequence 3, Appl1 | C 523 | 12 | 48.0 | 3597 | 4 | US-09-016-438-1319 | Sequence 1319, Ap |
| 451 | 12 | 48.0 | 2352 | 2 | US-08-889-909A-21 | Sequence 21, Appl1 | C 524 | 12 | 48.0 | 3661 | 4 | US-08-718-388-5 | Sequence 5, Appl1 |
| 452 | 12 | 48.0 | 2352 | 2 | US-08-922-837-1 | Sequence 1, Appl1 | C 525 | 12 | 48.0 | 3668 | 4 | US-09-327-536-1 | Sequence 1, Appl1 |
| 453 | 12 | 48.0 | 2352 | 3 | US-09-351-550-1 | Sequence 1, Appl1 | C 526 | 12 | 48.0 | 3707 | 3 | US-09-276-531-42 | Sequence 42, Appl1 |
| 454 | 12 | 48.0 | 2352 | 4 | US-09-156-163A-21 | Sequence 21, Appl1 | C 527 | 12 | 48.0 | 4104 | 4 | US-09-996-243-277 | Sequence 277, App |
| 455 | 12 | 48.0 | 2352 | 4 | US-09-982-308B-21 | Sequence 21, Appl1 | C 528 | 12 | 48.0 | 4221 | 4 | US-09-513-057C-3 | Sequence 3, Appl1 |
| 456 | 12 | 48.0 | 2359 | 3 | US-08-910-925-2 | Sequence 2, Appl1 | C 529 | 12 | 48.0 | 4321 | 4 | US-09-513-057C-34 | Sequence 34, Appl1 |
| 457 | 12 | 48.0 | 2468 | 1 | US-08-468-036-19 | Sequence 19, Appl1 | C 530 | 12 | 48.0 | 4342 | 3 | US-09-338-907-107 | Sequence 107, App |
| 458 | 12 | 48.0 | 2468 | 2 | US-08-376-843-19 | Sequence 19, Appl1 | C 531 | 12 | 48.0 | 4342 | 4 | US-09-218-207-107 | Sequence 107, App |
| 459 | 12 | 48.0 | 2469 | 1 | US-08-447-500-3 | Sequence 3, Appl1 | C 532 | 12 | 48.0 | 4382 | 4 | US-09-320-312D-281 | Sequence 281, App |
| 460 | 12 | 48.0 | 2469 | 1 | US-08-454-097-3 | Sequence 3, Appl1 | C 533 | 12 | 48.0 | 4451 | 3 | US-09-303-064-45 | Sequence 45, Appl1 |
| 461 | 12 | 48.0 | 2469 | 1 | US-08-453-866-3 | Sequence 3, Appl1 | C 534 | 12 | 48.0 | 4451 | 4 | US-09-086-503-45 | Sequence 45, Appl1 |
| 462 | 12 | 48.0 | 2469 | 1 | US-08-185-359-3 | Sequence 3, Appl1 | C 535 | 12 | 48.0 | 4481 | 5 | US-08-867-611-1 | Sequence 1, Appl1 |
| 463 | 12 | 48.0 | 2495 | 4 | US-09-668-113A-1 | Sequence 1, Appl1 | C 536 | 12 | 48.0 | 4481 | 5 | PCT-US92-06965A-6 | Sequence 6, Appl1 |
| 464 | 12 | 48.0 | 2525 | 4 | US-09-382-648-1 | Sequence 1, Appl1 | C 537 | 12 | 48.0 | 4582 | 4 | US-09-338-907-118 | Sequence 118, App |
| 465 | 12 | 48.0 | 2553 | 2 | US-08-300-584-1 | Sequence 1, Appl1 | C 538 | 12 | 48.0 | 4582 | 4 | US-09-218-207-118 | Sequence 118, App |

| | | | | | | | | | | | | | |
|-----|----|------|------|---|--------------------|--------------------|-------|----|------|-------|---|--------------------|--------------------|
| 539 | 12 | 48.0 | 4673 | 1 | US-07-638-431-1 | Sequence 1, Appl | C 612 | 12 | 48.0 | 6719 | 4 | US-09-740-235-36 | Sequence 36, Appl |
| 540 | 12 | 48.0 | 4673 | 5 | PCT-US92-00018-1 | Sequence 1, Appl | C 613 | 12 | 48.0 | 6826 | 3 | US-09-024-020B-8 | Sequence 8, Appl |
| 541 | 12 | 48.0 | 4686 | 3 | US-09-338-907-117 | Sequence 117, App | C 614 | 12 | 48.0 | 6826 | 3 | US-09-425-043-9 | Sequence 8, Appl |
| 542 | 12 | 48.0 | 4686 | 4 | US-09-318-207-117 | Sequence 117, App | C 615 | 12 | 48.0 | 6877 | 1 | US-08-347-340-1 | Sequence 1, Appl |
| 543 | 12 | 48.0 | 4695 | 4 | US-09-309-572-9 | Sequence 9, Appl | C 616 | 12 | 48.0 | 7378 | 3 | US-09-042-426-9 | Sequence 9, Appl |
| 544 | 12 | 48.0 | 4695 | 6 | 5225348-3 | Patent No. 5225348 | C 617 | 12 | 48.0 | 7378 | 3 | US-09-291-238-9 | Sequence 9, Appl |
| 545 | 12 | 48.0 | 4707 | 3 | US-09-181-706-1 | Sequence 1, Appl | C 618 | 12 | 48.0 | 7378 | 3 | US-09-330-716A-9 | Sequence 9, Appl |
| 546 | 12 | 48.0 | 4707 | 3 | US-09-458-791-1 | Sequence 1, Appl | C 619 | 12 | 48.0 | 7378 | 3 | US-09-328-826-9 | Sequence 9, Appl |
| 547 | 12 | 48.0 | 4707 | 3 | US-09-459-066-1 | Sequence 1, Appl | C 620 | 12 | 48.0 | 7378 | 3 | US-09-328-473-9 | Sequence 9, Appl |
| 548 | 12 | 48.0 | 4707 | 4 | US-09-459-066-1 | Sequence 1, Appl | C 621 | 12 | 48.0 | 7378 | 4 | US-09-329-169-9 | Sequence 9, Appl |
| 549 | 12 | 48.0 | 4713 | 3 | US-09-068-655-3 | Sequence 3, Appl | C 622 | 12 | 48.0 | 7378 | 4 | US-09-330-716A-9 | Sequence 9, Appl |
| 550 | 12 | 48.0 | 4752 | 1 | US-08-201-697-3 | Sequence 840, App | C 623 | 12 | 48.0 | 7378 | 4 | US-09-328-826-9 | Sequence 9, Appl |
| 551 | 12 | 48.0 | 4758 | 1 | US-09-620-312D-840 | Sequence 114, App | C 630 | 12 | 48.0 | 7824 | 5 | US-08-718-388-6 | Sequence 11, Appl |
| 552 | 12 | 48.0 | 4775 | 3 | US-09-303-064-37 | Sequence 37, Appl | C 625 | 12 | 48.0 | 7577 | 4 | US-08-961-527-46 | Sequence 46, Appl |
| 553 | 12 | 48.0 | 4775 | 4 | US-09-086-503-37 | Sequence 37, Appl | C 626 | 12 | 48.0 | 7633 | 3 | US-09-028-851-1 | Sequence 1, Appl |
| 554 | 12 | 48.0 | 4799 | 1 | US-08-201-697-6 | Sequence 6, Appl | C 627 | 12 | 48.0 | 7633 | 3 | US-08-815-520-1 | Sequence 1, Appl |
| 555 | 12 | 48.0 | 4815 | 1 | US-08-201-697-5 | Sequence 5, Appl | C 628 | 12 | 48.0 | 7633 | 3 | US-09-272-163-1 | Sequence 1, Appl |
| 556 | 12 | 48.0 | 4875 | 3 | US-09-338-907-114 | Sequence 114, App | C 629 | 12 | 48.0 | 7633 | 4 | US-08-471-112A-1 | Sequence 1, Appl |
| 557 | 12 | 48.0 | 4875 | 4 | US-09-218-207-114 | Sequence 114, App | C 630 | 12 | 48.0 | 7824 | 5 | US-08-718-388-6 | Sequence 11, Appl |
| 558 | 12 | 48.0 | 4896 | 4 | US-09-210-361-3 | Sequence 3, Appl | C 631 | 12 | 48.0 | 8001 | 4 | US-09-765-298A-29 | Sequence 29, Appl |
| 559 | 12 | 48.0 | 4896 | 3 | US-09-303-064-40 | Sequence 40, Appl | C 632 | 12 | 48.0 | 8021 | 4 | US-09-740-235-2 | Sequence 2, Appl |
| 560 | 12 | 48.0 | 4910 | 4 | US-09-086-503-40 | Sequence 40, Appl | C 633 | 12 | 48.0 | 8051 | 2 | US-08-576-628A-2 | Sequence 2, Appl |
| 561 | 12 | 48.0 | 4945 | 3 | US-08-961-527-47 | Sequence 47, Appl | C 634 | 12 | 48.0 | 8302 | 4 | US-09-234-827B-1 | Sequence 1, Appl |
| 562 | 12 | 48.0 | 4958 | 3 | US-09-338-907-116 | Sequence 116, App | C 635 | 12 | 48.0 | 8598 | 4 | US-08-305-790B-1 | Sequence 1, Appl |
| 563 | 12 | 48.0 | 4958 | 4 | US-09-338-907-116 | Sequence 116, App | C 636 | 12 | 48.0 | 8654 | 1 | US-08-920-827-6 | Sequence 6, Appl |
| 564 | 12 | 48.0 | 4986 | 3 | US-09-338-907-121 | Sequence 121, App | C 637 | 12 | 48.0 | 8654 | 1 | US-08-920-827-6 | Sequence 6, Appl |
| 565 | 12 | 48.0 | 4986 | 4 | US-09-338-907-121 | Sequence 121, App | C 638 | 12 | 48.0 | 8654 | 1 | US-08-921-177-6 | Sequence 6, Appl |
| 566 | 12 | 48.0 | 5020 | 3 | US-09-338-907-120 | Sequence 120, App | C 639 | 12 | 48.0 | 8654 | 1 | US-08-362-577C-6 | Sequence 6, Appl |
| 567 | 12 | 48.0 | 5020 | 4 | US-09-338-907-120 | Sequence 120, App | C 640 | 12 | 48.0 | 8654 | 2 | US-08-920-828-6 | Sequence 6, Appl |
| 568 | 12 | 48.0 | 5044 | 3 | US-09-338-907-115 | Sequence 115, App | C 641 | 12 | 48.0 | 9721 | 3 | US-09-345-217-2 | Sequence 2, Appl |
| 569 | 12 | 48.0 | 5044 | 4 | US-09-338-907-115 | Sequence 115, App | C 642 | 12 | 48.0 | 9827 | 4 | US-09-453-702B-66 | Sequence 66, Appl |
| 570 | 12 | 48.0 | 5057 | 3 | US-09-338-907-123 | Sequence 123, App | C 643 | 12 | 48.0 | 10079 | 2 | US-08-476-866-20 | Sequence 20, Appl |
| 571 | 12 | 48.0 | 5057 | 4 | US-09-218-207-113 | Sequence 123, App | C 644 | 12 | 48.0 | 10564 | 1 | US-08-206-176-5 | Sequence 5, Appl |
| 572 | 12 | 48.0 | 5100 | 3 | US-09-338-907-122 | Sequence 122, App | C 645 | 12 | 48.0 | 12227 | 4 | US-08-961-527-148 | Sequence 148, App |
| 573 | 12 | 48.0 | 5100 | 4 | US-09-338-907-122 | Sequence 122, App | C 646 | 12 | 48.0 | 14311 | 3 | US-08-646-695-1 | Sequence 1, Appl |
| 574 | 12 | 48.0 | 5148 | 3 | US-09-338-907-112 | Sequence 112, App | C 647 | 12 | 48.0 | 14311 | 3 | US-08-646-695-1 | Sequence 7, Appl |
| 575 | 12 | 48.0 | 5148 | 4 | US-09-218-207-112 | Sequence 112, App | C 648 | 12 | 48.0 | 14311 | 5 | PCT-US96-06053-1 | Sequence 1, Appl |
| 576 | 12 | 48.0 | 5227 | 2 | US-08-996-306-3 | Sequence 3, Appl | C 649 | 12 | 48.0 | 15311 | 5 | PCT-US96-06053-1 | Sequence 7, Appl |
| 577 | 12 | 48.0 | 5234 | 3 | US-09-338-907-113 | Sequence 113, App | C 650 | 12 | 48.0 | 15311 | 5 | PCT-US96-06053-1 | Sequence 7, Appl |
| 578 | 12 | 48.0 | 5234 | 4 | US-09-218-207-113 | Sequence 113, App | C 651 | 12 | 48.0 | 15397 | 4 | US-09-817-180-3 | Sequence 3, Appl |
| 579 | 12 | 48.0 | 5245 | 3 | US-09-338-907-3 | Sequence 113, App | C 652 | 12 | 48.0 | 15397 | 4 | US-09-338-907-73 | Sequence 73, Appl |
| 580 | 12 | 48.0 | 5245 | 4 | US-09-338-907-3 | Sequence 3, Appl | C 653 | 12 | 48.0 | 15666 | 3 | US-09-218-207-73 | Sequence 73, Appl |
| 581 | 12 | 48.0 | 5250 | 3 | US-09-218-207-3 | Sequence 69, Appl | C 654 | 12 | 48.0 | 16382 | 4 | US-08-718-388-8 | Sequence 8, Appl |
| 582 | 12 | 48.0 | 5250 | 4 | US-09-338-907-69 | Sequence 69, Appl | C 655 | 12 | 48.0 | 16382 | 3 | US-09-146-053-7 | Sequence 7, Appl |
| 583 | 12 | 48.0 | 5258 | 3 | US-09-303-064-48 | Sequence 48, Appl | C 656 | 12 | 48.0 | 17569 | 4 | US-09-702-705-1804 | Sequence 1804, App |
| 584 | 12 | 48.0 | 5258 | 4 | US-09-338-907-119 | Sequence 48, Appl | C 657 | 12 | 48.0 | 18627 | 4 | US-08-961-527-113 | Sequence 113, App |
| 585 | 12 | 48.0 | 5290 | 3 | US-09-338-907-119 | Sequence 119, App | C 658 | 12 | 48.0 | 20137 | 3 | US-09-262-773-9 | Sequence 206, App |
| 586 | 12 | 48.0 | 5294 | 4 | US-08-826-134-1 | Sequence 119, App | C 659 | 12 | 48.0 | 20138 | 3 | US-09-262-773-9 | Sequence 9, Appl |
| 587 | 12 | 48.0 | 5326 | 3 | US-09-338-907-124 | Sequence 124, App | C 660 | 12 | 48.0 | 23071 | 3 | US-09-262-773-210 | Sequence 210, App |
| 588 | 12 | 48.0 | 5326 | 4 | US-09-338-907-124 | Sequence 124, App | C 661 | 12 | 48.0 | 24417 | 2 | US-08-846-762-1 | Sequence 1, Appl |
| 589 | 12 | 48.0 | 5330 | 3 | US-09-012-515A-11 | Sequence 11, Appl | C 662 | 12 | 48.0 | 24707 | 4 | US-09-740-027-3 | Sequence 3, Appl |
| 590 | 12 | 48.0 | 5330 | 4 | US-08-360-144A-11 | Sequence 11, Appl | C 663 | 12 | 48.0 | 25464 | 4 | US-09-336-480A-4 | Sequence 4, Appl |
| 591 | 12 | 48.0 | 5330 | 4 | US-09-012-504A-11 | Sequence 11, Appl | C 664 | 12 | 48.0 | 25958 | 4 | US-09-341-587-6 | Sequence 6, Appl |
| 592 | 12 | 48.0 | 5330 | 4 | US-09-012-504A-11 | Sequence 11, Appl | C 665 | 12 | 48.0 | 26604 | 4 | US-08-781-891-207 | Sequence 207, App |
| 593 | 12 | 48.0 | 5330 | 4 | US-09-012-504A-11 | Sequence 11, Appl | C 666 | 12 | 48.0 | 29604 | 4 | US-09-618-166-207 | Sequence 207, App |
| 594 | 12 | 48.0 | 5332 | 2 | US-08-675-035-3 | Sequence 3, Appl | C 667 | 12 | 48.0 | 31072 | 4 | US-09-453-702B-64 | Sequence 64, Appl |
| 595 | 12 | 48.0 | 5332 | 4 | US-09-675-035-3 | Sequence 17, Appl | C 668 | 12 | 48.0 | 34094 | 4 | US-09-292-034-1 | Sequence 1, Appl |
| 596 | 12 | 48.0 | 5500 | 3 | US-08-867-611-3 | Sequence 3, Appl | C 669 | 12 | 48.0 | 36851 | 4 | US-09-738-894A-3 | Sequence 3, Appl |
| 597 | 12 | 48.0 | 5500 | 5 | PCT-US92-06965A-8 | Sequence 243, App | C 670 | 12 | 48.0 | 36851 | 4 | US-09-964-469-3 | Sequence 183, App |
| 598 | 12 | 48.0 | 5629 | 4 | US-09-453-702B-243 | Sequence 1, Appl | C 671 | 12 | 48.0 | 37950 | 4 | US-09-338-907-183 | Sequence 183, App |
| 599 | 12 | 48.0 | 5679 | 1 | US-08-201-697-1 | Sequence 393, App | C 672 | 12 | 48.0 | 37950 | 4 | US-09-218-207-183 | Sequence 183, App |
| 600 | 12 | 48.0 | 5714 | 4 | US-09-620-312D-333 | Sequence 393, App | C 673 | 12 | 48.0 | 39982 | 4 | US-09-820-924-3 | Sequence 3, Appl |
| 601 | 12 | 48.0 | 5822 | 4 | US-09-354-147C-4 | Sequence 4, Appl | C 674 | 12 | 48.0 | 42571 | 4 | US-09-810-347-3 | Sequence 3, Appl |
| 602 | 12 | 48.0 | 5822 | 4 | US-09-354-147C-4 | Sequence 4, Appl | C 675 | 12 | 48.0 | 43325 | 4 | US-09-453-702B-206 | Sequence 206, App |
| 603 | 12 | 48.0 | 5875 | 3 | US-09-024-020B-1 | Sequence 1, Appl | C 676 | 12 | 48.0 | 43325 | 4 | US-09-716-865-23 | Sequence 23, Appl |
| 604 | 12 | 48.0 | 5977 | 3 | US-09-425-043-1 | Sequence 2, Appl | C 677 | 12 | 48.0 | 55216 | 2 | US-08-996-306-1 | Sequence 1, Appl |
| 605 | 12 | 48.0 | 6007 | 3 | US-09-425-043-2 | Sequence 7, Appl | C 678 | 12 | 48.0 | 55516 | 3 | US-09-338-907-1 | Sequence 1, Appl |
| 606 | 12 | 48.0 | 6007 | 4 | US-09-425-043-7 | Sequence 7, Appl | C 679 | 12 | 48.0 | 55516 | 3 | US-09-218-207-1 | Sequence 1, Appl |
| 607 | 12 | 48.0 | 6556 | 4 | US-09-024-020B-43 | Sequence 43, Appl | C 680 | 12 | 48.0 | 55520 | 3 | US-09-338-907-179 | Sequence 179, App |
| 608 | 12 | 48.0 | 6556 | 4 | US-09-425-043-7 | Sequence 43, Appl | C 681 | 12 | 48.0 | 55520 | 4 | US-09-218-207-179 | Sequence 179, App |
| 609 | 12 | 48.0 | 6586 | 4 | US-09-425-043-7 | Sequence 43, Appl | C 682 | 12 | 48.0 | 55520 | 4 | US-09-218-207-179 | Sequence 179, App |
| 610 | 12 | 48.0 | 6586 | 4 | US-09-425-043-7 | Sequence 43, Appl | C 683 | 12 | 48.0 | 55520 | 4 | US-09-218-207-179 | Sequence 179, App |
| 611 | 12 | 48.0 | 6586 | 4 | US-09-425-043-7 | Sequence 43, Appl | C 684 | 12 | 48.0 | 55520 | 4 | US-09-218-207-179 | Sequence 179, App |

| | | | | | | | | | | | | | |
|-------|----|------|---------|---|----------------------|---------------------|-------|----|------|-----|---|----------------------|----------------------|
| 685 | 12 | 48.0 | 62804 | 4 | US-09-800-960-3 | Sequence 3, Appl1 | 758 | 11 | 44.0 | 225 | 4 | US-09-252-991A-14093 | Sequence 14093, A |
| C 686 | 12 | 48.0 | 75395 | 4 | US-09-984-890-3 | Sequence 3, Appl1 | C 759 | 11 | 44.0 | 229 | 4 | US-09-642-703-33 | Sequence 33, Appl1 |
| C 687 | 12 | 48.0 | 81001 | 4 | US-09-750-580-1 | Sequence 1, Appl1 | C 760 | 11 | 44.0 | 241 | 4 | US-09-016-434-83 | Sequence 83, Appl1 |
| C 688 | 12 | 48.0 | 111282 | 4 | US-09-754-250-3 | Sequence 3, Appl1 | C 761 | 11 | 44.0 | 242 | 4 | US-09-506-729-35 | Sequence 35, Appl1 |
| C 689 | 12 | 48.0 | 112132 | 4 | US-09-741-150-3 | Sequence 3, Appl1 | C 762 | 11 | 44.0 | 242 | 4 | US-09-016-434-192 | Sequence 192, Appl1 |
| C 690 | 12 | 48.0 | 116592 | 4 | US-09-818-512-3 | Sequence 3, Appl1 | C 763 | 11 | 44.0 | 250 | 4 | US-08-905-223-232 | Sequence 232, Appl1 |
| C 691 | 12 | 48.0 | 116592 | 4 | US-09-818-512-3 | Sequence 3, Appl1 | C 764 | 11 | 44.0 | 253 | 4 | US-09-016-434-142 | Sequence 142, Appl1 |
| C 692 | 12 | 48.0 | 129908 | 4 | US-09-585-858-1 | Sequence 1, Appl1 | C 765 | 11 | 44.0 | 253 | 4 | US-09-642-703-37 | Sequence 37, Appl1 |
| C 693 | 12 | 48.0 | 148567 | 4 | US-09-801-876B-3 | Sequence 3, Appl1 | C 766 | 11 | 44.0 | 263 | 4 | US-09-313-294A-3323 | Sequence 3323, Ap |
| C 694 | 12 | 48.0 | 152331 | 4 | US-09-128-155-16 | Sequence 16, Appl1 | C 767 | 11 | 44.0 | 273 | 4 | US-09-134-001C-2600 | Sequence 2600, Ap |
| C 695 | 12 | 48.0 | 152450 | 4 | US-09-345-882-1 | Sequence 1, Appl1 | C 768 | 11 | 44.0 | 275 | 1 | US-07-789-919A-1 | Sequence 1, Appl1 |
| C 696 | 12 | 48.0 | 169998 | 4 | US-09-676-610B-24 | Sequence 24, Appl1 | C 769 | 11 | 44.0 | 275 | 1 | US-08-209-846A-1 | Sequence 1, Appl1 |
| C 697 | 12 | 48.0 | 176373 | 3 | US-09-128-155-17 | Sequence 17, Appl1 | C 770 | 11 | 44.0 | 275 | 2 | US-08-472-809E-1 | Sequence 1, Appl1 |
| C 698 | 12 | 48.0 | 176373 | 3 | US-09-128-155-17 | Sequence 17, Appl1 | C 771 | 11 | 44.0 | 275 | 2 | US-08-338-265-1 | Sequence 1, Appl1 |
| C 699 | 12 | 48.0 | 197436 | 4 | US-09-877-177A-10 | Sequence 10, Appl1 | C 772 | 11 | 44.0 | 276 | 2 | US-08-273-146-44 | Sequence 44, Appl1 |
| C 700 | 12 | 48.0 | 319608 | 4 | US-09-539-330D-1 | Sequence 1, Appl1 | C 773 | 11 | 44.0 | 276 | 2 | US-08-273-146-52 | Sequence 52, Appl1 |
| C 701 | 12 | 48.0 | 319608 | 4 | US-09-679-409-1 | Sequence 1, Appl1 | C 774 | 11 | 44.0 | 282 | 4 | US-09-276-625-8 | Sequence 8, Appl1 |
| C 702 | 12 | 48.0 | 580073 | 4 | US-08-545-528D-1 | Sequence 1, Appl1 | C 775 | 11 | 44.0 | 283 | 4 | US-09-313-294A-6167 | Sequence 6167, Ap |
| C 703 | 12 | 48.0 | 1664976 | 4 | US-08-916-421B-1 | Sequence 1, Appl1 | C 776 | 11 | 44.0 | 286 | 4 | US-09-313-294A-5514 | Sequence 5514, Ap |
| C 704 | 12 | 48.0 | 1830121 | 4 | US-09-557-884-1 | Sequence 1, Appl1 | C 777 | 11 | 44.0 | 286 | 4 | US-09-313-294A-6531 | Sequence 6531, Ap |
| C 705 | 12 | 48.0 | 1830121 | 4 | US-09-643-990A-1 | Sequence 1, Appl1 | C 778 | 11 | 44.0 | 288 | 4 | US-09-642-703-34 | Sequence 34, Appl1 |
| C 706 | 11 | 44.0 | 20 | 4 | US-09-676-610B-134 | Sequence 134, Appl1 | C 779 | 11 | 44.0 | 289 | 4 | US-09-313-294A-824 | Sequence 824, Appl1 |
| C 707 | 11 | 44.0 | 20 | 4 | US-09-853-768-79 | Sequence 79, Appl1 | C 780 | 11 | 44.0 | 289 | 4 | US-09-313-294A-1441 | Sequence 1441, Ap |
| C 708 | 11 | 44.0 | 22 | 2 | US-08-888-497-13 | Sequence 13, Appl1 | C 781 | 11 | 44.0 | 289 | 4 | US-09-313-294A-3758 | Sequence 3758, Ap |
| C 709 | 11 | 44.0 | 22 | 2 | US-09-362-230-13 | Sequence 13, Appl1 | C 782 | 11 | 44.0 | 294 | 4 | US-09-313-294A-5431 | Sequence 5431, Appl1 |
| C 710 | 11 | 44.0 | 22 | 5 | PCT-US94-07926-13 | Sequence 13, Appl1 | C 783 | 11 | 44.0 | 294 | 4 | US-09-107-532A-3482 | Sequence 128, Appl1 |
| C 711 | 11 | 44.0 | 23 | 1 | US-07-722-798A-77 | Sequence 77, Appl1 | C 784 | 11 | 44.0 | 295 | 1 | US-08-594-031-128 | Sequence 4494, Ap |
| C 712 | 11 | 44.0 | 23 | 1 | US-07-722-798A-78 | Sequence 78, Appl1 | C 785 | 11 | 44.0 | 299 | 4 | US-09-313-294A-4494 | Sequence 4494, Ap |
| C 713 | 11 | 44.0 | 23 | 4 | US-09-588-995A-48 | Sequence 48, Appl1 | C 786 | 11 | 44.0 | 300 | 2 | US-08-273-146-68 | Sequence 68, Appl1 |
| C 714 | 11 | 44.0 | 25 | 4 | US-09-538-709-509 | Sequence 509, Appl1 | C 787 | 11 | 44.0 | 304 | 4 | US-09-313-294A-6625 | Sequence 6625, Ap |
| C 715 | 11 | 44.0 | 33 | 1 | US-08-435-350-112 | Sequence 112, Appl1 | C 788 | 11 | 44.0 | 306 | 4 | US-09-313-294A-7397 | Sequence 7397, Ap |
| C 716 | 11 | 44.0 | 33 | 4 | US-08-874-102-23 | Sequence 23, Appl1 | C 789 | 11 | 44.0 | 314 | 4 | US-09-313-294A-4740 | Sequence 4740, Ap |
| C 717 | 11 | 44.0 | 33 | 4 | US-08-984-919A-23 | Sequence 23, Appl1 | C 790 | 11 | 44.0 | 321 | 3 | US-08-483-749A-25 | Sequence 25, Appl1 |
| C 718 | 11 | 44.0 | 33 | 4 | US-08-984-919A-24 | Sequence 24, Appl1 | C 791 | 11 | 44.0 | 330 | 2 | US-08-672-345E-85 | Sequence 85, Appl1 |
| C 719 | 11 | 44.0 | 33 | 4 | US-08-984-919A-24 | Sequence 24, Appl1 | C 792 | 11 | 44.0 | 330 | 3 | US-09-214-095D-85 | Sequence 85, Appl1 |
| C 720 | 11 | 44.0 | 36 | 3 | US-08-341-560B-21 | Sequence 21, Appl1 | C 793 | 11 | 44.0 | 330 | 4 | US-09-107-532A-824 | Sequence 824, Appl1 |
| C 721 | 11 | 44.0 | 45 | 4 | US-08-874-102-51 | Sequence 51, Appl1 | C 794 | 11 | 44.0 | 331 | 4 | US-09-404-879A-111 | Sequence 131, Appl1 |
| C 722 | 11 | 44.0 | 45 | 4 | US-08-874-102-53 | Sequence 53, Appl1 | C 795 | 11 | 44.0 | 341 | 4 | US-09-338-933-131 | Sequence 131, Appl1 |
| C 723 | 11 | 44.0 | 45 | 4 | US-08-984-919A-51 | Sequence 51, Appl1 | C 796 | 11 | 44.0 | 341 | 4 | US-09-215-681-131 | Sequence 131, Appl1 |
| C 724 | 11 | 44.0 | 45 | 4 | US-08-984-919A-53 | Sequence 53, Appl1 | C 797 | 11 | 44.0 | 345 | 3 | US-08-513-974A-40 | Sequence 40, Appl1 |
| C 725 | 11 | 44.0 | 47 | 4 | US-09-432-978-2198 | Sequence 2198, Ap | C 798 | 11 | 44.0 | 345 | 4 | US-09-461-436E-40 | Sequence 40, Appl1 |
| C 726 | 11 | 44.0 | 52 | 4 | US-09-609-816-16 | Sequence 16, Appl1 | C 799 | 11 | 44.0 | 346 | 1 | US-08-263-413-13 | Sequence 13, Appl1 |
| C 727 | 11 | 44.0 | 54 | 1 | US-08-363-240A-1074 | Sequence 1074, Ap | C 800 | 11 | 44.0 | 346 | 3 | US-09-328-113-1429 | Sequence 129, Appl1 |
| C 728 | 11 | 44.0 | 54 | 1 | US-08-758-306-498 | Sequence 498, Appl1 | C 801 | 11 | 44.0 | 350 | 1 | US-08-263-413-12 | Sequence 12, Appl1 |
| C 729 | 11 | 44.0 | 54 | 1 | US-08-758-306-1338 | Sequence 1338, Ap | C 802 | 11 | 44.0 | 350 | 2 | US-08-967-101-35 | Sequence 35, Appl1 |
| C 730 | 11 | 44.0 | 54 | 2 | US-08-585-684B-2642 | Sequence 2642, Ap | C 803 | 11 | 44.0 | 350 | 2 | US-08-592-541-35 | Sequence 35, Appl1 |
| C 731 | 11 | 44.0 | 54 | 3 | US-09-038-073-2642 | Sequence 2642, Ap | C 804 | 11 | 44.0 | 350 | 3 | US-09-124-698-35 | Sequence 35, Appl1 |
| C 732 | 11 | 44.0 | 54 | 4 | US-09-584-040-8246 | Sequence 8246, Ap | C 805 | 11 | 44.0 | 350 | 3 | US-09-127-480-35 | Sequence 35, Appl1 |
| C 733 | 11 | 44.0 | 54 | 4 | US-09-371-772B-11155 | Sequence 11155, A | C 806 | 11 | 44.0 | 350 | 3 | US-08-496-841C-35 | Sequence 35, Appl1 |
| C 734 | 11 | 44.0 | 68 | 1 | US-07-934-373C-14 | Sequence 14, Appl1 | C 807 | 11 | 44.0 | 350 | 4 | US-09-124-523-35 | Sequence 35, Appl1 |
| C 735 | 11 | 44.0 | 68 | 3 | US-08-437-642B-14 | Sequence 14, Appl1 | C 808 | 11 | 44.0 | 350 | 4 | US-09-636-796A-35 | Sequence 35, Appl1 |
| C 736 | 11 | 44.0 | 68 | 4 | US-08-146-206C-14 | Sequence 14, Appl1 | C 809 | 11 | 44.0 | 350 | 4 | US-08-431-048E-35 | Sequence 35, Appl1 |
| C 737 | 11 | 44.0 | 68 | 5 | PCT-US93-07832-14 | Sequence 14, Appl1 | C 810 | 11 | 44.0 | 357 | 1 | US-08-203-905E-5 | Sequence 5, Appl1 |
| C 738 | 11 | 44.0 | 100 | 1 | US-07-795-859B-17 | Sequence 17, Appl1 | C 811 | 11 | 44.0 | 356 | 3 | US-08-341-560B-3 | Sequence 3, Appl1 |
| C 739 | 11 | 44.0 | 100 | 1 | US-08-457-616-17 | Sequence 17, Appl1 | C 812 | 11 | 44.0 | 356 | 3 | US-08-353-940-3 | Sequence 3, Appl1 |
| C 740 | 11 | 44.0 | 108 | 4 | US-09-000-094-25 | Sequence 25, Appl1 | C 813 | 11 | 44.0 | 356 | 5 | PCT-US93-03895-3 | Sequence 3, Appl1 |
| C 741 | 11 | 44.0 | 120 | 4 | US-08-874-102-30 | Sequence 30, Appl1 | C 814 | 11 | 44.0 | 357 | 3 | US-09-385-982-193 | Sequence 193, Appl1 |
| C 742 | 11 | 44.0 | 120 | 4 | US-08-874-102-31 | Sequence 31, Appl1 | C 815 | 11 | 44.0 | 376 | 4 | US-09-220-132-128 | Sequence 128, Appl1 |
| C 743 | 11 | 44.0 | 120 | 4 | US-08-984-919A-30 | Sequence 30, Appl1 | C 816 | 11 | 44.0 | 387 | 3 | US-09-046-894-1 | Sequence 1, Appl1 |
| C 744 | 11 | 44.0 | 120 | 4 | US-08-984-919A-31 | Sequence 31, Appl1 | C 817 | 11 | 44.0 | 387 | 4 | US-09-702-705-417 | Sequence 417, Appl1 |
| C 745 | 11 | 44.0 | 138 | 4 | US-09-702-705-641 | Sequence 641, Appl1 | C 818 | 11 | 44.0 | 389 | 4 | US-09-736-457-417 | Sequence 417, Appl1 |
| C 746 | 11 | 44.0 | 138 | 4 | US-09-736-457-641 | Sequence 641, Appl1 | C 819 | 11 | 44.0 | 391 | 1 | US-08-592-126-83 | Sequence 83, Appl1 |
| C 747 | 11 | 44.0 | 143 | 4 | US-08-874-102-37 | Sequence 27, Appl1 | C 820 | 11 | 44.0 | 391 | 4 | US-09-168-595-83 | Sequence 83, Appl1 |
| C 748 | 11 | 44.0 | 143 | 4 | US-08-874-102-39 | Sequence 29, Appl1 | C 821 | 11 | 44.0 | 396 | 3 | US-08-513-974B-324 | Sequence 324, Appl1 |
| C 749 | 11 | 44.0 | 143 | 4 | US-08-984-919A-27 | Sequence 27, Appl1 | C 822 | 11 | 44.0 | 396 | 3 | US-08-513-974B-378 | Sequence 378, Appl1 |
| C 750 | 11 | 44.0 | 143 | 4 | US-08-984-919A-29 | Sequence 29, Appl1 | C 823 | 11 | 44.0 | 396 | 4 | US-08-887-534A-21 | Sequence 21, Appl1 |
| C 751 | 11 | 44.0 | 183 | 2 | US-09-107-532A-6224 | Sequence 624, Appl1 | C 824 | 11 | 44.0 | 396 | 4 | US-09-527-731-21 | Sequence 21, Appl1 |
| C 752 | 11 | 44.0 | 198 | 2 | US-08-588-258B-18 | Sequence 18, Appl1 | C 825 | 11 | 44.0 | 399 | 4 | US-09-702-705-491 | Sequence 491, Appl1 |
| C 753 | 11 | 44.0 | 198 | 3 | US-08-460-505-15 | Sequence 18, Appl1 | C 826 | 11 | 44.0 | 405 | 1 | US-09-736-457-491 | Sequence 491, Appl1 |
| C 754 | 11 | 44.0 | 198 | 5 | PCT-US96-08295-18 | Sequence 18, Appl1 | C 827 | 11 | 44.0 | 405 | 1 | US-08-398-613A-49 | Sequence 49, Appl1 |
| C 755 | 11 | 44.0 | 202 | 4 | US-09-157-270-6 | Sequence 6, Appl1 | C 828 | 11 | 44.0 | 405 | 1 | US-08-398-612A-49 | Sequence 49, Appl1 |
| C 756 | 11 | 44.0 | 202 | 4 | US-09-157-270-9 | Sequence 9, Appl1 | C 829 | 11 | 44.0 | 405 | 1 | US-08-398-611A-49 | Sequence 49, Appl1 |
| C 757 | 11 | 44.0 | 203 | 4 | US-09-157-270-14 | Sequence 14, Appl1 | C 830 | 11 | 44.0 | 405 | 1 | US-08-396-851A-49 | Sequence 49, Appl1 |

| | | | | | | | | | | | | | |
|-----|----|------|-----|---|----------------------|-------------------|-------|----|------|-----|---|----------------------|--------------------|
| 831 | 11 | 44.0 | 405 | 1 | US-08-137-117D-26 | Sequence 26, Appl | C 904 | 11 | 44.0 | 531 | 2 | US-08-461-592B-5 | Sequence 5, Appl1 |
| 832 | 11 | 44.0 | 405 | 1 | US-08-436-717-26 | Sequence 26, Appl | C 905 | 11 | 44.0 | 533 | 3 | US-09-328-111-469 | Sequence 469, App |
| 833 | 11 | 44.0 | 405 | 2 | US-08-491-334A-49 | Sequence 49, Appl | C 906 | 11 | 44.0 | 536 | 3 | US-08-349-403-3 | Sequence 3, Appl1 |
| 834 | 11 | 44.0 | 405 | 3 | US-09-027-449-36 | Sequence 36, Appl | C 907 | 11 | 44.0 | 543 | 3 | US-09-098-789-7 | Sequence 7, Appl1 |
| 835 | 11 | 44.0 | 405 | 3 | US-08-804-444A-36 | Sequence 36, Appl | C 908 | 11 | 44.0 | 546 | 3 | US-09-385-982-466 | Sequence 466, App |
| 836 | 11 | 44.0 | 405 | 3 | US-09-026-985-36 | Sequence 36, Appl | C 909 | 11 | 44.0 | 548 | 3 | US-09-098-788-12 | Sequence 12, Appl |
| 837 | 11 | 44.0 | 405 | 4 | US-09-121-952A-36 | Sequence 36, Appl | C 910 | 11 | 44.0 | 551 | 2 | US-09-109-266-3 | Sequence 3, Appl1 |
| 838 | 11 | 44.0 | 405 | 4 | US-09-334-340A-36 | Sequence 36, Appl | C 911 | 11 | 44.0 | 554 | 3 | US-08-840-146-16 | Sequence 16, Appl |
| 839 | 11 | 44.0 | 405 | 4 | US-09-252-991A-12487 | Sequence 8583, Ap | C 912 | 11 | 44.0 | 554 | 3 | US-09-360-220-16 | Sequence 16, Appl |
| 840 | 11 | 44.0 | 405 | 4 | US-09-252-991A-12487 | Sequence 12487, A | C 913 | 11 | 44.0 | 557 | 3 | US-09-385-982-335 | Sequence 395, App |
| 841 | 11 | 44.0 | 414 | 4 | US-09-107-532A-1862 | Sequence 1862, Ap | C 914 | 11 | 44.0 | 558 | 3 | US-09-446-504-69 | Sequence 69, Appl |
| 842 | 11 | 44.0 | 415 | 4 | US-09-702-705-1728 | Sequence 1728, Ap | C 915 | 11 | 44.0 | 560 | 4 | US-09-712-266-69 | Sequence 69, Appl |
| 843 | 11 | 44.0 | 415 | 4 | US-09-736-457-1728 | Sequence 1728, Ap | C 916 | 11 | 44.0 | 560 | 4 | US-09-702-705-1278 | Sequence 1278, Ap |
| 844 | 11 | 44.0 | 416 | 4 | US-08-976-183A-30 | Sequence 30, Appl | C 917 | 11 | 44.0 | 560 | 4 | US-09-702-705-1407 | Sequence 1407, Ap |
| 845 | 11 | 44.0 | 418 | 4 | US-09-280-116-56 | Sequence 56, Appl | C 918 | 11 | 44.0 | 560 | 4 | US-09-736-457-1278 | Sequence 1278, Ap |
| 846 | 11 | 44.0 | 420 | 4 | US-09-134-001C-1169 | Sequence 1169, Ap | C 919 | 11 | 44.0 | 560 | 4 | US-09-736-457-1407 | Sequence 1407, Ap |
| 847 | 11 | 44.0 | 429 | 2 | US-08-448-438-9 | Sequence 9, Appl1 | C 920 | 11 | 44.0 | 561 | 4 | US-09-328-352-1091 | Sequence 1091, Ap |
| 848 | 11 | 44.0 | 429 | 2 | US-08-448-438-10 | Sequence 10, Appl | C 921 | 11 | 44.0 | 566 | 4 | US-09-495-050A-132 | Sequence 132, Appl |
| 849 | 11 | 44.0 | 429 | 2 | US-08-448-438-11 | Sequence 11, Appl | C 922 | 11 | 44.0 | 567 | 4 | US-09-328-352-736 | Sequence 736, App |
| 850 | 11 | 44.0 | 429 | 2 | US-08-448-438-12 | Sequence 12, Appl | C 923 | 11 | 44.0 | 574 | 3 | US-09-385-982-419 | Sequence 419, App |
| 851 | 11 | 44.0 | 435 | 3 | US-09-096-244-1 | Sequence 1, Appl1 | C 924 | 11 | 44.0 | 574 | 4 | US-09-149-476-276 | Sequence 276, App |
| 852 | 11 | 44.0 | 435 | 3 | US-09-252-991A-742 | Sequence 742, App | C 925 | 11 | 44.0 | 576 | 4 | US-09-702-705-657 | Sequence 657, App |
| 853 | 11 | 44.0 | 438 | 1 | US-08-781-254A-8 | Sequence 22, Appl | C 926 | 11 | 44.0 | 576 | 4 | US-09-736-457-657 | Sequence 657, App |
| 854 | 11 | 44.0 | 441 | 1 | US-08-325-071-68 | Sequence 8, Appl1 | C 927 | 11 | 44.0 | 577 | 4 | US-09-016-434-829 | Sequence 829, App |
| 855 | 11 | 44.0 | 441 | 3 | US-08-461-004A-68 | Sequence 68, Appl | C 928 | 11 | 44.0 | 582 | 4 | US-09-149-476-137 | Sequence 137, App |
| 856 | 11 | 44.0 | 441 | 3 | US-08-998-416-200 | Sequence 200, App | C 929 | 11 | 44.0 | 582 | 4 | US-09-702-705-482 | Sequence 482, App |
| 857 | 11 | 44.0 | 450 | 4 | US-09-601-198-28 | Sequence 28, Appl | C 930 | 11 | 44.0 | 582 | 4 | US-09-736-457-482 | Sequence 482, App |
| 858 | 11 | 44.0 | 451 | 4 | US-09-679-409-49 | Sequence 49, Appl | C 931 | 11 | 44.0 | 587 | 3 | US-08-545-809A-37 | Sequence 27, Appl |
| 859 | 11 | 44.0 | 456 | 4 | US-09-252-991A-1180 | Sequence 1180, A | C 932 | 11 | 44.0 | 587 | 4 | US-09-461-322-123 | Sequence 123, Appl |
| 860 | 11 | 44.0 | 468 | 4 | US-09-134-001C-823 | Sequence 823, App | C 933 | 11 | 44.0 | 591 | 4 | US-09-252-991A-14508 | Sequence 14508, A |
| 861 | 11 | 44.0 | 470 | 3 | US-08-840-146-9 | Sequence 9, Appl1 | C 934 | 11 | 44.0 | 601 | 3 | US-09-328-111-376 | Sequence 376, App |
| 862 | 11 | 44.0 | 470 | 3 | US-09-360-220-9 | Sequence 9, Appl1 | C 935 | 11 | 44.0 | 603 | 3 | US-09-385-982-233 | Sequence 233, App |
| 863 | 11 | 44.0 | 471 | 3 | US-09-181-183-5 | Sequence 5, Appl1 | C 936 | 11 | 44.0 | 603 | 4 | US-09-107-533A-992 | Sequence 992, App |
| 864 | 11 | 44.0 | 471 | 4 | US-09-280-040-5 | Sequence 5, Appl1 | C 937 | 11 | 44.0 | 606 | 3 | US-09-385-982-217 | Sequence 217, App |
| 865 | 11 | 44.0 | 471 | 4 | US-09-277-700-5 | Sequence 5, Appl1 | C 938 | 11 | 44.0 | 606 | 3 | US-09-385-982-225 | Sequence 225, App |
| 866 | 11 | 44.0 | 471 | 4 | US-09-328-352-404 | Sequence 404, App | C 939 | 11 | 44.0 | 607 | 3 | US-09-385-982-371 | Sequence 371, App |
| 867 | 11 | 44.0 | 474 | 4 | US-09-134-001C-154 | Sequence 154, App | C 940 | 11 | 44.0 | 610 | 4 | US-09-149-476-121 | Sequence 121, App |
| 868 | 11 | 44.0 | 476 | 4 | US-09-389-681-305 | Sequence 305, App | C 941 | 11 | 44.0 | 610 | 4 | US-09-786-023-3 | Sequence 3, Appl1 |
| 869 | 11 | 44.0 | 476 | 4 | US-09-620-405B-305 | Sequence 305, App | C 942 | 11 | 44.0 | 611 | 3 | US-08-896-164-68 | Sequence 68, Appl |
| 870 | 11 | 44.0 | 476 | 4 | US-09-339-338-305 | Sequence 305, App | C 943 | 11 | 44.0 | 612 | 3 | US-09-385-982-409 | Sequence 409, App |
| 871 | 11 | 44.0 | 476 | 4 | US-09-433-826B-305 | Sequence 305, App | C 944 | 11 | 44.0 | 613 | 3 | US-09-385-982-219 | Sequence 219, App |
| 872 | 11 | 44.0 | 476 | 4 | US-09-604-287A-305 | Sequence 305, App | C 945 | 11 | 44.0 | 615 | 4 | US-09-252-991A-12654 | Sequence 12654, A |
| 873 | 11 | 44.0 | 483 | 2 | US-08-448-438-13 | Sequence 13, Appl | C 946 | 11 | 44.0 | 620 | 3 | US-09-385-982-108 | Sequence 108, App |
| 874 | 11 | 44.0 | 483 | 2 | US-08-448-438-14 | Sequence 14, Appl | C 947 | 11 | 44.0 | 630 | 3 | US-09-328-111-635 | Sequence 635, App |
| 875 | 11 | 44.0 | 483 | 2 | US-08-448-438-15 | Sequence 15, Appl | C 948 | 11 | 44.0 | 630 | 4 | US-09-328-352-3951 | Sequence 3951, Ap |
| 876 | 11 | 44.0 | 483 | 2 | US-08-448-438-16 | Sequence 16, Appl | C 949 | 11 | 44.0 | 631 | 3 | US-09-328-111-633 | Sequence 633, App |
| 877 | 11 | 44.0 | 487 | 2 | US-08-448-438-17 | Sequence 17, Appl | C 950 | 11 | 44.0 | 631 | 4 | US-09-702-705-553 | Sequence 553, App |
| 878 | 11 | 44.0 | 487 | 2 | US-08-448-438-18 | Sequence 18, Appl | C 951 | 11 | 44.0 | 631 | 4 | US-09-736-457-553 | Sequence 553, App |
| 879 | 11 | 44.0 | 487 | 2 | US-08-448-438-19 | Sequence 19, Appl | C 952 | 11 | 44.0 | 633 | 3 | US-09-328-111-48 | Sequence 48, Appl |
| 880 | 11 | 44.0 | 487 | 2 | US-08-448-438-20 | Sequence 20, Appl | C 953 | 11 | 44.0 | 642 | 4 | US-09-252-991A-12794 | Sequence 12794, A |
| 881 | 11 | 44.0 | 487 | 2 | US-08-448-438-21 | Sequence 21, Appl | C 954 | 11 | 44.0 | 654 | 4 | US-09-328-111-188 | Sequence 188, App |
| 882 | 11 | 44.0 | 499 | 1 | US-07-916-034-16 | Sequence 16, Appl | C 955 | 11 | 44.0 | 654 | 4 | US-09-252-991A-13109 | Sequence 13109, A |
| 883 | 11 | 44.0 | 499 | 4 | US-08-858-207A-24 | Sequence 24, Appl | C 956 | 11 | 44.0 | 655 | 4 | US-09-385-982-340 | Sequence 340, App |
| 884 | 11 | 44.0 | 505 | 4 | US-09-421-017B-376 | Sequence 376, App | C 957 | 11 | 44.0 | 661 | 4 | US-09-894-998A-34 | Sequence 34, Appl |
| 885 | 11 | 44.0 | 506 | 1 | US-08-468-405-1 | Sequence 1, Appl1 | C 958 | 11 | 44.0 | 664 | 3 | US-09-276-531-118 | Sequence 118, App |
| 886 | 11 | 44.0 | 506 | 1 | US-08-111-316-1 | Sequence 1, Appl1 | C 959 | 11 | 44.0 | 664 | 3 | US-09-328-111-781 | Sequence 781, App |
| 887 | 11 | 44.0 | 507 | 4 | US-09-495-050A-199 | Sequence 199, App | C 960 | 11 | 44.0 | 665 | 3 | US-08-896-164-43 | Sequence 43, Appl |
| 888 | 11 | 44.0 | 514 | 4 | US-09-222-575-98 | Sequence 98, Appl | C 961 | 11 | 44.0 | 672 | 4 | US-09-149-476-38 | Sequence 38, Appl |
| 889 | 11 | 44.0 | 514 | 4 | US-09-389-681-98 | Sequence 98, Appl | C 962 | 11 | 44.0 | 676 | 4 | US-09-221-017B-72 | Sequence 72, Appl |
| 890 | 11 | 44.0 | 514 | 4 | US-09-620-405B-98 | Sequence 98, Appl | C 963 | 11 | 44.0 | 677 | 3 | US-08-589-028-7 | Sequence 7, Appl1 |
| 891 | 11 | 44.0 | 514 | 4 | US-09-339-933-98 | Sequence 98, Appl | C 964 | 11 | 44.0 | 677 | 3 | US-08-784-582-7 | Sequence 7, Appl1 |
| 892 | 11 | 44.0 | 514 | 4 | US-09-433-826B-98 | Sequence 98, Appl | C 965 | 11 | 44.0 | 677 | 3 | US-08-785-271-7 | Sequence 7, Appl1 |
| 893 | 11 | 44.0 | 514 | 4 | US-09-604-287A-98 | Sequence 98, Appl | C 966 | 11 | 44.0 | 678 | 4 | US-09-252-991A-14217 | Sequence 14217, A |
| 894 | 11 | 44.0 | 521 | 4 | US-09-643-597-322 | Sequence 322, App | C 967 | 11 | 44.0 | 684 | 3 | US-09-181-183-31 | Sequence 31, Appl |
| 895 | 11 | 44.0 | 521 | 4 | US-09-404-879A-128 | Sequence 128, App | C 968 | 11 | 44.0 | 684 | 4 | US-09-280-040-31 | Sequence 31, Appl |
| 896 | 11 | 44.0 | 521 | 4 | US-09-80-884A-322 | Sequence 322, App | C 969 | 11 | 44.0 | 684 | 4 | US-09-277-700-31 | Sequence 31, Appl |
| 897 | 11 | 44.0 | 521 | 4 | US-09-338-933-128 | Sequence 128, App | C 970 | 11 | 44.0 | 684 | 4 | US-09-328-352-3416 | Sequence 3416, Ap |
| 898 | 11 | 44.0 | 521 | 4 | US-09-542-615A-322 | Sequence 322, App | C 971 | 11 | 44.0 | 686 | 4 | US-08-858-207A-155 | Sequence 155, App |
| 899 | 11 | 44.0 | 521 | 4 | US-09-215-681-128 | Sequence 128, App | C 972 | 11 | 44.0 | 705 | 3 | US-08-781-420-8 | Sequence 8, Appl1 |
| 900 | 11 | 44.0 | 521 | 4 | US-09-606-421B-322 | Sequence 322, App | C 973 | 11 | 44.0 | 705 | 3 | US-08-781-420-9 | Sequence 9, Appl1 |
| 901 | 11 | 44.0 | 522 | 4 | US-09-252-991A-1145 | Sequence 1145, Ap | C 974 | 11 | 44.0 | 705 | 4 | US-08-874-102-8 | Sequence 8, Appl1 |
| 902 | 11 | 44.0 | 528 | 4 | US-09-252-991A-9004 | Sequence 9004, Ap | C 975 | 11 | 44.0 | 705 | 4 | US-08-874-102-9 | Sequence 9, Appl1 |
| 903 | 11 | 44.0 | 531 | 1 | US-08-340-539A-5 | Sequence 5, Appl1 | C 976 | 11 | 44.0 | 705 | 4 | US-08-984-919A-8 | Sequence 8, Appl1 |

```

c 977 11 44.0 705 4 US-08-984-919A-9 Sequence 9, Appli
978 11 44.0 705 4 US-09-006-595A-8 Sequence 8, Appli
c 979 11 44.0 705 4 US-09-006-595A-8 Sequence 9, Appli
c 980 11 44.0 705 4 US-09-252-991A-14236 Sequence 14236, A
c 981 11 44.0 707 2 US-08-465-380-37 Sequence 37, Appl
c 982 11 44.0 707 2 US-08-466-397-37 Sequence 37, Appl
c 983 11 44.0 707 2 US-08-466-399-37 Sequence 37, Appl
c 984 11 44.0 707 2 US-08-461-965-37 Sequence 37, Appl
c 985 11 44.0 707 2 US-08-634-641-37 Sequence 37, Appl
c 986 11 44.0 707 3 US-09-249-471-37 Sequence 37, Appl
c 987 11 44.0 707 3 US-09-249-472-37 Sequence 37, Appl
c 988 11 44.0 707 3 US-09-249-451-37 Sequence 37, Appl
c 989 11 44.0 707 3 US-08-809-455-37 Sequence 37, Appl
c 990 11 44.0 707 3 US-09-249-461-37 Sequence 37, Appl
c 991 11 44.0 707 3 US-09-249-448-37 Sequence 37, Appl
c 992 11 44.0 707 3 US-08-781-420-5 Sequence 5, Appli
c 993 11 44.0 707 3 US-08-781-420-7 Sequence 7, Appli
c 994 11 44.0 707 4 US-08-874-102-5 Sequence 5, Appli
c 995 11 44.0 707 4 US-08-874-102-7 Sequence 7, Appli
c 996 11 44.0 707 4 US-08-984-919A-5 Sequence 5, Appli
c 997 11 44.0 707 4 US-08-984-919A-7 Sequence 7, Appli
c 998 11 44.0 707 4 US-09-006-595A-5 Sequence 5, Appli
c 999 11 44.0 707 4 US-09-006-595A-7 Sequence 7, Appli
c1000 11 44.0 707 4 US-09-249-473-37 Sequence 37, Appli

```

ALIGNMENTS

```

RESULT 1
US-09-018-584A-125
; Sequence 125, Application US/09018584A
; Patent No. 6238863

```

```

GENERAL INFORMATION:
APPLICANT: Schumm, James W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 125:
SEQUENCE CHARACTERISTICS:
LENGTH: 25
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
US-09-018-584A-125

```

```

Query Match 100.0%; Score 25; DB 3; Length 25;
Best Local Similarity 100.0%; Pred. No. 1,4e-05;

```

```

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TGTGCCAGAACCGAATTTACAG 25
Db 1 TGTGCCAGAACCGAATTTACAG 25

```

```

RESULT 2
US-09-018-584A-32/c
; Sequence 32, Application US/09018584A
; Patent No. 6238863
GENERAL INFORMATION:
APPLICANT: Schumm, James W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 1000 bp
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Circular
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: no
IMMEDIATE SOURCE:
CLONE: S132
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 22
US-09-018-584A-32

```

```

Query Match 100.0%; Score 25; DB 3; Length 1000;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy 1 TGTGCCAGAACCGAATTTACAG 25
Db 726 TGTGCCAGAACCGAATTTACAG 702

```

```

RESULT 3
US-09-341-587-7
; Sequence 7, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollehauser, Jan
; TITLE OF INVENTION: Protein containing an SRCR Domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587

```

;; CURRENT FILING DATE: 1999-08-31
;; EARLIER APPLICATION NUMBER: PCT/DE98/00096
;; EARLIER FILING DATE: 1998-01-09
;; NUMBER OF SEQ ID NOS: 12
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO: 7
;; LENGTH: 28720
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-341-587-7

Query Match 60.0%; Score 15; DB 4; Length 28720;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CAGGAACGAGAATT 20
Db 5047 CAGGAACGAGAATT 5061

RESULT 4
US-08-981-030-2
; Sequence 2, Application US/08981030
; Patent No. 6447783
; GENERAL INFORMATION:

;; APPLICANT:
;; TITLE OF INVENTION: FGF9 AS A SPECIFIC LIGAND FOR FGFR3
;; NUMBER OF SEQUENCES: 13
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/981,030
;; FILING DATE:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: WO PCT/IL96/00011
;; FILING DATE: 12-JUN-1996
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 627 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Mus pahari
US-08-981-030-2

Query Match 56.0%; Score 14; DB 4; Length 627;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 ACCGAAATTACA 24
Db 542 ACCGAAATTACA 555

RESULT 5
US-08-981-030-12
; Sequence 12, Application US/08981030
; Patent No. 6447783
; GENERAL INFORMATION:

;; APPLICANT:
;; TITLE OF INVENTION: FGF9 AS A SPECIFIC LIGAND FOR FGFR3
;; NUMBER OF SEQUENCES: 13
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/981,030
;; FILING DATE:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: WO PCT/IL96/00011
;; FILING DATE: 12-JUN-1996
;; INFORMATION FOR SEQ ID NO: 12:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 627 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Rattus norvegicus
US-08-981-030-12

Query Match 56.0%; Score 14; DB 4; Length 627;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 ACCGAAATTACA 24
Db 542 ACCGAAATTACA 555

RESULT 6
US-08-981-030-1
; Sequence 1, Application US/08981030
; Patent No. 6447783
; GENERAL INFORMATION:

;; APPLICANT:
;; TITLE OF INVENTION: FGF9 AS A SPECIFIC LIGAND FOR FGFR3
;; NUMBER OF SEQUENCES: 13
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/981,030
;; FILING DATE:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: WO PCT/IL96/00011
;; FILING DATE: 12-JUN-1996
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 682 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
US-08-981-030-1

Query Match 56.0%; Score 14; DB 4; Length 682;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 ACCGAAATTACA 24
Db 597 ACCGAAATTACA 610

RESULT 7
US-08-289-458-3
; Sequence 3, Application US/08289458
; Patent No. 5608144
; GENERAL INFORMATION:

;; APPLICANT: BADEN, Catherine S., DUNSMUIR, Pamela,
;; APPLICANT: LEE, Kathleen Y.
;; TITLE OF INVENTION: PLANT Gp2 PROMOTERS AND USES THEREOF

NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/289,458
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 12176-4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1727 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CAAT_signal
LOCATION: 1100..1103
FEATURE:
NAME/KEY: TATA_signal
LOCATION: 1139..1146
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1169
OTHER INFORMATION: /note= "Transcriptional start site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1172
OTHER INFORMATION: /note= "pgp50 5' end"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1234..1236
OTHER INFORMATION: /note= "Translation start codon"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1298
OTHER INFORMATION: /note= "Intron start site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..1233
OTHER INFORMATION: /note= "Gp2 promoter sequence"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..1727
OTHER INFORMATION: /note= "Gp2 Genomic DNA clone"
US-08-289-458-3
Query Match 56.0%; Score 14; DB 1; Length 1727;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GGAACCGAATTT 21
|||||
Db 1619 GGAACCGAATTT 1632

RESULT 8

US-08-761-549-3
Sequence 3, Application US/08761549
Patent No. 5981727
GENERAL INFORMATION:
APPLICANT: BADEN, Catherine S., DUNSMUIR, Pamela,
LEE, Kathleen Y.
TITLE OF INVENTION: PLANT Gp2 PROMOTERS AND USES THEREOF
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/761,549
FILING DATE: 06-DEC-1996
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/289,458
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 12176-4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1727 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CAAT_signal
LOCATION: 1100..1103
FEATURE:
NAME/KEY: TATA_signal
LOCATION: 1139..1146
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1169
OTHER INFORMATION: /note= "Transcriptional start site"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1172
OTHER INFORMATION: /note= "pgp50 5' end"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1234..1236
OTHER INFORMATION: /note= "Translation start codon"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..1727
OTHER INFORMATION: /note= "Gp2 promoter sequence"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..1727
OTHER INFORMATION: /note= "Gp2 Genomic DNA clone"
US-08-761-549-3

Query Match 56.0%; Score 14; DB 2; Length 1727;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GGACCGAAGAAATT 21
Db 1619 GGACCGAAGAAATT 1632

RESULT 9
US-09-127-646-3
; Sequence 3; Application US/09127646
; Patent No. 6291744
; GENERAL INFORMATION:
; APPLICANT: Baden, Catherine S.
; APPLICANT: Dunsmuir, Pamela
; APPLICANT: Lee, Kathleen Y.
; APPLICANT: DNA Plant Technology Corporation
; TITLE OF INVENTION: Nucleic Acids Encoding Plant Group 2 Proteins and Uses
; FILE REFERENCE: 012176-004020US
; CURRENT APPLICATION NUMBER: US/09/127,646
; CURRENT FILING DATE: 1998-07-31
; EARLIER APPLICATION NUMBER: US 08/289,458
; EARLIER FILING DATE: 1994-08-12
; EARLIER APPLICATION NUMBER: US 08/761,549
; EARLIER FILING DATE: 1996-12-06
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1727
; TYPE: DNA
; ORGANISM: Capsicum annuum
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1727)
; OTHER INFORMATION: Pepper plant Group 2 (Gp2) genomic DNA clone
; FEATURE:
; NAME/KEY: promoter
; LOCATION: (1)..(1233)
; OTHER INFORMATION: Gp2 promoter sequence
; FEATURE:
; NAME/KEY: CAAT signal
; LOCATION: (1100)..(1103)
; FEATURE:
; NAME/KEY: TATA signal
; LOCATION: (1135)..(1146)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1169)
; OTHER INFORMATION: transcriptional start site
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1172)
; OTHER INFORMATION: pGP50 5' end
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1234)..(1236)
; OTHER INFORMATION: translation start codon
; FEATURE:
; NAME/KEY: intron
; LOCATION: (1298)
; OTHER INFORMATION: intron start site
US-09-127-646-3

Query Match 56.0%; Score 14; DB 3; Length 1727;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GGACCGAAGAAATT 21
Db 1619 GGACCGAAGAAATT 1632

RESULT 10
US-08-119-125A-1
; Sequence 1; Application US/08119125A
; Patent No. 5610011
; GENERAL INFORMATION:
; APPLICANT: SMITH, Hilda Elizabeth
; APPLICANT: VECHT, Uri
; TITLE OF INVENTION: DNA Sequences which code for Virulence
; TITLE OF INVENTION: Characteristics of Streptococcus suis and parts thereof, polype
; TITLE OF INVENTION: Antibodies derived therefrom and the use thereof for the diagn
; TITLE OF INVENTION: Protection against infection by S. suis in mammals, including m
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Central Diergeneeskundig Instituut
; STREET: Edelhertweg 15
; CITY: PH Leiden
; STATE: The Netherlands
; COUNTRY: The Netherlands
; ZIP: NL-8219
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS v.6.0
; SOFTWARE: Wordperfect v. 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/119,125A
; FILING DATE: 20-SEP-1993
; CLASSIFICATION: 514
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: PCT/NL92/00054
; FILING DATE: 19-MAR-1992
; APPLICATION NUMBER: NL 9100510
; FILING DATE: 21-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Handal, Anthony H.
; REGISTRATION NUMBER: 26275
; REFERENCE/DOCKET NUMBER: SMITHHE119125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (203) 838-8589
; TELEFAX: (203) 838-8794
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4376 base pairs
; TYPE: Nucleic acid with corresponding amino acids
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus suis type II (pathogenic)
; FEATURE:
; OTHER INFORMATION: Extracellular protein factor (EF) gene
; FEATURE:
; NAME/KEY: promoter -35 region
; LOCATION: bp 66 to 71
; FEATURE:
; NAME/KEY: promoter -10 region
; LOCATION: bp 89 to 94
; FEATURE:
; NAME/KEY: promoter -35 region
; LOCATION: bp 153 to 158
; FEATURE:
; NAME/KEY: promoter -10 region
; LOCATION: bp 176 to 181
; FEATURE:
; NAME/KEY: ribosome binding site
; LOCATION: bp 350 to 356
; FEATURE:
; NAME/KEY: signal peptide
; LOCATION: bp 361 to 498
; FEATURE:
; NAME/KEY: mature peptide
; LOCATION: bp 499 to 2890

FEATURE:
NAME/KEY: dyad symmetry regions
LOCATION: from bp 4186 to 4198 and from bp 4203 to 4215
FEATURE:
NAME/KEY: dyad symmetry regions
LOCATION: from bp 4243 to 4257 and from bp 4263 to 4276
US-08-119-125A-1

Query Match 56.0%; Score 14; DB 1; Length 4376;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CAGGAACCGAAT 19
DB 314 CAGGAACCGAAT 327

RESULT 11
US-08-119-125A-2
Sequence 2, Application US/08119125A
Patent No. 5610011
GENERAL INFORMATION:
APPLICANT: SMITH, Hilda Elizabeth
APPLICANT: VECOT, Uri
TITLE OF INVENTION: DNA sequences which code for virulence
TITLE OF INVENTION: Characteristics of Streptococcus suis and parts thereof, poly
TITLE OF INVENTION: antibodies derived therefrom and the use thereof for the diagn
TITLE OF INVENTION: protection against infection by S. suis in mammals, including
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Central Diegeneskundig Instituut
STREET: Edelherweg 15
CITY: PH Lelystad
STATE:
COUNTRY: The Netherlands
ZIP: NL-8219
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM compatible
OPERATING SYSTEM: MS-DOS V.6.0
SOFTWARE: Wordperfect V. 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/119,125A
FILING DATE: 20-SEP-1993
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/NL92/00054
FILING DATE: 19-MAR-1992
APPLICATION NUMBER: NL 9100510
FILING DATE: 21-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Handal, Anthony H.
REGISTRATION NUMBER: 26275
REFERENCE/DOCKET NUMBER: SMITHHE119125
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 838-8589
TELEFAX: (203) 838-8794
INFORMATION FOR SEO ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6744 base pairs
TYPE: Nucleic acid with corresponding amino acids
STRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: genomic DNA
ORIGINAL SOURCE:
ORGANISM: Streptococcus suis type II (pathogenic)
FEATURE:
OTHER INFORMATION: Extracellular factor related protein (EF*) gene
NAME/KEY: promoter -35 region
LOCATION: bp 66 to 71
FEATURE:
NAME/KEY: promoter -10 region

LOCATION: bp 89 to 94
FEATURE:
NAME/KEY: promoter -35 region
LOCATION: bp 153 to 158
FEATURE:
NAME/KEY: promoter -10 region
LOCATION: bp 176 to 181
FEATURE:
NAME/KEY: ribosome binding site
LOCATION: bp 350 to 356
FEATURE:
NAME/KEY: signal peptide
LOCATION: bp 361 to 498
FEATURE:
NAME/KEY: start of repetitive units R1-R11
LOCATION: bp 2869, 3097, 3292, 3520, 4087, 4381, 4609, 4837,
LOCATION: 5065, 5293, 5521:
FEATURE:
NAME/KEY: start of repetitive Aen-Pro-Aen-Leu sequences
LOCATION: bp 2932, 3160, 3355, 3583, 4150, 4444, 4672, 4900,
LOCATION: 5128, 5356, 5584:
FEATURE:
NAME/KEY: dyad symmetry regions
LOCATION: from bp 6554 to 6586 and from bp 6571 to 6583
FEATURE:
NAME/KEY: dyad symmetry regions
LOCATION: from bp 6611 to 6625 and from bp 6631 to 6644
US-08-119-125A-2

Query Match 56.0%; Score 14; DB 1; Length 6744;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CAGGAACCGAAT 19
DB 314 CAGGAACCGAAT 327

RESULT 12
US-08-639-857-23
Sequence 23, Application US/08639857
Patent No. 5955318
GENERAL INFORMATION:
APPLICANT: Simons, J. N.
APPLICANT: Desai, S. M.
APPLICANT: Mushahwar, I. K.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR CONTROLLING THE
NUMBER OF SEQUENCES: 32
TITLE OF INVENTION: TRANSLATION OF HEPATITIS GB PROTEINS
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Rd
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/639,857
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Porembski, Priscilla E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5793.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-0378
TELEFAX: 708-938-2623
INFORMATION FOR SEO ID NO: 23:

SEQUENCE CHARACTERISTICS:
LENGTH: 9493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-639-857-23

Query Match 56.0%; Score 14; DB 2; Length 9493;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGACCA 14
Db 4037 TGTGCCAGGACCA 4050

RESULT 13
US-08-469-260A-163
Sequence 163, Application US/08469260A
Patent No. 6451578

GENERAL INFORMATION:

APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATTIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHROFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,260A
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: POREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:

TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 163:

SEQUENCE CHARACTERISTICS:

LENGTH: 9493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-469-260A-163

Query Match 56.0%; Score 14; DB 4; Length 9493;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGACCA 14
Db 4037 TGTGCCAGGACCA 4050

RESULT 14
US-08-488-446-163
Sequence 163, Application US/08488446
Patent No. 6558898

GENERAL INFORMATION:

APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATTIAS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUEHROFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,446
FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: POREMSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:

TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 163:

SEQUENCE CHARACTERISTICS:

LENGTH: 9493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-488-446-163

Query Match 56.0%; Score 14; DB 4; Length 9493;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGACCA 14
Db 4037 TGTGCCAGGACCA 4050

RESULT 15
US-08-467-344A-163
Sequence 163, Application US/08467344A
Patent No. 6586568
GENERAL INFORMATION:

APPLICANT: JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAMSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUEHROFF
JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAMWAR

TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
REAGENTS AND METHODS FOR THEIR USE

NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: IL
COUNTRY: USA
ZIP: 60064-3500

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,344A
FILING DATE: 07-Jun-1995
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/424,550
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: POROMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01

TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-938-2623
TELEFAX: 708-937-6365

INFORMATION FOR SEQ ID NO: 163:
SEQUENCE CHARACTERISTICS:
LENGTH: 9493 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 163:
US-08-467-344A-163

Query Match 56.0%; Score 14; DB 4; Length 9493;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGACCA 14
|||||
DB 4037 TGTGCCAGGACCA 4050

Search completed: October 9, 2003, 16:05:52
Job time : 27.4762 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 9, 2003, 15:58:38 ; Search time 8.2381 Seconds
(without alignments)
7874.427 Million cell updates/sec

Title: US-09-784-423-125

Perfect score: 25
Sequence: 1 TGTGCCAGACAGAAATTTACAG 25

Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1731049 seqs, 1297405648 residues

Word size : 0

Total number of hits satisfying chosen parameters: 3462098

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database :

Published Applications NA.*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
16: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
17: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | DB ID | Description |
|------------|-------|-------------|--------|-------|----------------------|
| 1 | 25 | 100.0 | 25 | 9 | US-09-784-423-125 |
| 2 | 25 | 100.0 | 1000 | 9 | US-09-784-423-32 |
| 3 | 17 | 68.0 | 624 | 13 | US-10-027-632-311837 |
| 4 | 17 | 68.0 | 7273 | 12 | US-10-017-161-1629 |
| 5 | 16 | 64.0 | 442 | 9 | US-09-864-761-11479 |
| 6 | 16 | 64.0 | 494 | 13 | US-10-027-632-179918 |
| 7 | 16 | 64.0 | 624 | 13 | US-10-027-632-220234 |
| 8 | 16 | 64.0 | 624 | 13 | US-10-027-632-220235 |
| 9 | 16 | 64.0 | 641 | 13 | US-10-027-632-114443 |
| 10 | 16 | 64.0 | 1630 | 13 | US-10-027-632-253734 |
| 11 | 16 | 64.0 | 1791 | 16 | US-09-814-353-21503 |
| 12 | 15 | 60.0 | 538 | 13 | US-10-027-632-81341 |
| 13 | 15 | 60.0 | 538 | 13 | US-10-027-632-82646 |
| 14 | 15 | 60.0 | 538 | 13 | US-10-027-632-180681 |
| 15 | 15 | 60.0 | 538 | 13 | US-10-027-632-301780 |
| 16 | 15 | 60.0 | 548 | 13 | US-10-027-632-66186 |

| | | | | | | |
|------|----|------|--------|----|----------------------|----------------------|
| C 17 | 15 | 60.0 | 548 | 13 | US-10-027-632-299033 | Sequence 299033, App |
| C 18 | 15 | 60.0 | 569 | 13 | US-09-917-800A-198 | Sequence 198, App |
| C 19 | 15 | 60.0 | 598 | 13 | US-10-027-632-232023 | Sequence 232023, App |
| C 20 | 15 | 60.0 | 621 | 13 | US-10-027-632-258272 | Sequence 258272, App |
| C 21 | 15 | 60.0 | 629 | 13 | US-10-027-632-236107 | Sequence 236107, App |
| C 22 | 15 | 60.0 | 653 | 13 | US-10-027-632-23519 | Sequence 23519, App |
| C 23 | 15 | 60.0 | 653 | 13 | US-10-027-632-23520 | Sequence 23520, App |
| C 24 | 15 | 60.0 | 653 | 13 | US-10-027-632-23521 | Sequence 23521, App |
| C 25 | 15 | 60.0 | 653 | 13 | US-10-027-632-23522 | Sequence 23522, App |
| C 26 | 15 | 60.0 | 657 | 13 | US-10-027-632-100289 | Sequence 100289, App |
| C 27 | 15 | 60.0 | 657 | 13 | US-10-027-632-100290 | Sequence 100290, App |
| C 28 | 15 | 60.0 | 1302 | 9 | US-09-815-242-9647 | Sequence 9647, App |
| C 29 | 15 | 60.0 | 2499 | 2 | US-10-032-565-6032 | Sequence 6032, App |
| C 30 | 15 | 60.0 | 11821 | 10 | US-09-764-877-2857 | Sequence 2857, App |
| C 31 | 15 | 60.0 | 15535 | 10 | US-09-764-877-2855 | Sequence 2855, App |
| C 32 | 15 | 60.0 | 106323 | 10 | US-09-803-661-3 | Sequence 3, App |
| C 33 | 15 | 60.0 | 106323 | 14 | US-10-300-827-3 | Sequence 3, App |
| C 34 | 15 | 60.0 | 193 | 10 | US-09-783-530-430 | Sequence 430, App |
| C 35 | 14 | 56.0 | 376 | 10 | US-09-796-632-3491 | Sequence 3491, App |
| C 36 | 14 | 56.0 | 376 | 14 | US-10-040-862-3491 | Sequence 3491, App |
| C 37 | 14 | 56.0 | 383 | 13 | US-10-027-632-44851 | Sequence 44851, App |
| C 38 | 14 | 56.0 | 383 | 13 | US-10-027-632-73465 | Sequence 73465, App |
| C 39 | 14 | 56.0 | 383 | 13 | US-10-027-632-299150 | Sequence 299150, App |
| C 40 | 14 | 56.0 | 392 | 12 | US-10-437-107-4 | Sequence 4, App |
| C 41 | 14 | 56.0 | 392 | 14 | US-10-052-092-4 | Sequence 4, App |
| C 42 | 14 | 56.0 | 431 | 13 | US-10-027-632-180271 | Sequence 180271, App |
| C 43 | 14 | 56.0 | 431 | 13 | US-10-027-632-299523 | Sequence 299523, App |
| C 44 | 14 | 56.0 | 450 | 13 | US-10-027-632-83581 | Sequence 83581, App |
| C 45 | 14 | 56.0 | 450 | 13 | US-10-027-632-316138 | Sequence 316138, App |
| C 46 | 14 | 56.0 | 458 | 11 | US-09-918-995-25994 | Sequence 25994, App |
| C 47 | 14 | 56.0 | 483 | 11 | US-09-918-995-28380 | Sequence 32830, App |
| C 48 | 14 | 56.0 | 490 | 13 | US-10-027-632-191150 | Sequence 191150, App |
| C 49 | 14 | 56.0 | 519 | 13 | US-10-027-632-94579 | Sequence 94579, App |
| C 50 | 14 | 56.0 | 519 | 13 | US-10-027-632-307981 | Sequence 307981, App |
| C 51 | 14 | 56.0 | 520 | 13 | US-10-027-632-295870 | Sequence 295870, App |
| C 52 | 14 | 56.0 | 560 | 13 | US-10-027-632-47761 | Sequence 47761, App |
| C 53 | 14 | 56.0 | 590 | 13 | US-10-027-632-277388 | Sequence 277388, App |
| C 54 | 14 | 56.0 | 607 | 13 | US-10-027-632-179391 | Sequence 179391, App |
| C 55 | 14 | 56.0 | 611 | 13 | US-10-027-632-187364 | Sequence 187364, App |
| C 56 | 14 | 56.0 | 611 | 13 | US-10-027-632-187365 | Sequence 187365, App |
| C 57 | 14 | 56.0 | 627 | 13 | US-10-212-357-2 | Sequence 2, App |
| C 58 | 14 | 56.0 | 627 | 13 | US-10-212-357-12 | Sequence 12, App |
| C 59 | 14 | 56.0 | 632 | 13 | US-10-027-632-45735 | Sequence 45735, App |
| C 60 | 14 | 56.0 | 632 | 13 | US-10-027-632-71874 | Sequence 71874, App |
| C 61 | 14 | 56.0 | 632 | 13 | US-10-027-632-108589 | Sequence 108589, App |
| C 62 | 14 | 56.0 | 632 | 13 | US-10-027-632-238612 | Sequence 238612, App |
| C 63 | 14 | 56.0 | 682 | 13 | US-10-212-357-1 | Sequence 1, App |
| C 64 | 14 | 56.0 | 697 | 13 | US-10-027-632-58045 | Sequence 58045, App |
| C 65 | 14 | 56.0 | 697 | 13 | US-10-027-632-59079 | Sequence 59079, App |
| C 66 | 14 | 56.0 | 697 | 13 | US-10-027-632-258189 | Sequence 258189, App |
| C 67 | 14 | 56.0 | 709 | 13 | US-10-027-632-249390 | Sequence 249390, App |
| C 68 | 14 | 56.0 | 737 | 11 | US-09-915-815-1 | Sequence 1, App |
| C 69 | 14 | 56.0 | 797 | 12 | US-09-814-353-17981 | Sequence 17981, App |
| C 70 | 14 | 56.0 | 830 | 13 | US-10-027-632-136293 | Sequence 136293, App |
| C 71 | 14 | 56.0 | 830 | 13 | US-10-027-632-136294 | Sequence 136294, App |
| C 72 | 14 | 56.0 | 905 | 13 | US-10-027-632-258189 | Sequence 258189, App |
| C 73 | 14 | 56.0 | 921 | 13 | US-10-027-632-121059 | Sequence 121059, App |
| C 74 | 14 | 56.0 | 955 | 13 | US-10-027-632-84072 | Sequence 84072, App |
| C 75 | 14 | 56.0 | 963 | 10 | US-09-833-381-1948 | Sequence 1948, App |
| C 76 | 14 | 56.0 | 1293 | 11 | US-09-945-527-36 | Sequence 36, App |
| C 77 | 14 | 56.0 | 1329 | 13 | US-10-027-632-264689 | Sequence 264689, App |
| C 78 | 14 | 56.0 | 1886 | 11 | US-09-510-332-82 | Sequence 92, App |
| C 79 | 14 | 56.0 | 1957 | 11 | US-09-915-815-6 | Sequence 6, App |
| C 80 | 14 | 56.0 | 2104 | 14 | US-10-081-051-98 | Sequence 98, App |
| C 81 | 14 | 56.0 | 2273 | 9 | US-09-853-386-110 | Sequence 110, App |
| C 82 | 14 | 56.0 | 2273 | 12 | US-09-799-978-21 | Sequence 21, App |
| C 83 | 14 | 56.0 | 2331 | 14 | US-10-103-140-1 | Sequence 1, App |
| C 84 | 14 | 56.0 | 4573 | 11 | US-09-915-815-16 | Sequence 16, App |
| C 85 | 14 | 56.0 | 4573 | 11 | US-09-915-815-17 | Sequence 17, App |
| C 86 | 14 | 56.0 | 4836 | 11 | US-09-915-815-23 | Sequence 23, App |
| C 87 | 14 | 56.0 | 4847 | 11 | US-09-915-815-22 | Sequence 22, App |
| C 88 | 14 | 56.0 | 4873 | 11 | US-09-971-490-4 | Sequence 4, App |
| C 89 | 14 | 56.0 | 5042 | 11 | US-09-915-815-20 | Sequence 20, App |

| | | | | | | | | | | | | | |
|-------|----|------|---------|----|----------------------|--------------------|-----|----|------|-----|----|----------------------|--------------------|
| C 90 | 14 | 56.0 | 5042 | 11 | US-09-915-815-21 | Sequence 21, Appl | 163 | 13 | 52.0 | 487 | 11 | US-09-918-995-12967 | Sequence 12967, A |
| C 91 | 14 | 56.0 | 7965 | 8 | US-08-781-986A-321 | Sequence 321, App | 164 | 13 | 52.0 | 489 | 10 | US-09-783-599-11922 | Sequence 11922, A |
| C 92 | 14 | 56.0 | 8249 | 8 | US-10-240-965-138 | Sequence 138, App | 165 | 13 | 52.0 | 492 | 11 | US-09-918-999-37972 | Sequence 37972, A |
| C 93 | 14 | 56.0 | 9439 | 8 | US-08-424-550B-163 | Sequence 163, App | 166 | 13 | 52.0 | 496 | 13 | US-10-027-632-106169 | Sequence 106169, A |
| C 94 | 14 | 56.0 | 11639 | 11 | US-09-764-891-623 | Sequence 623, App | 167 | 13 | 52.0 | 501 | 9 | US-09-833-790-163 | Sequence 163, App |
| C 95 | 14 | 56.0 | 11639 | 11 | US-10-205-428-601 | Sequence 601, App | 168 | 13 | 52.0 | 505 | 13 | US-10-027-632-87886 | Sequence 87886, A |
| C 96 | 14 | 56.0 | 12989 | 14 | US-09-764-847-1489 | Sequence 1489, App | 169 | 13 | 52.0 | 505 | 13 | US-10-027-632-315764 | Sequence 315764, A |
| C 97 | 14 | 56.0 | 12989 | 14 | US-10-092-154-1489 | Sequence 1489, App | 170 | 13 | 52.0 | 506 | 10 | US-09-783-599-5680 | Sequence 5680, A |
| C 98 | 14 | 56.0 | 21833 | 10 | US-09-764-877-2275 | Sequence 2275, App | 171 | 13 | 52.0 | 507 | 13 | US-10-027-632-69514 | Sequence 69514, A |
| C 99 | 14 | 56.0 | 31129 | 14 | US-10-298-192-3 | Sequence 3, Appl | 172 | 13 | 52.0 | 507 | 13 | US-10-027-632-70451 | Sequence 70451, A |
| C 100 | 14 | 56.0 | 157875 | 11 | US-09-935-464-1 | Sequence 1, Appl | 173 | 13 | 52.0 | 507 | 13 | US-10-027-632-106248 | Sequence 106248, A |
| C 101 | 14 | 56.0 | 157875 | 11 | US-10-125-835-1 | Sequence 1, Appl | 174 | 13 | 52.0 | 507 | 13 | US-10-027-632-311904 | Sequence 311904, A |
| C 102 | 14 | 56.0 | 197997 | 10 | US-09-822-246-3 | Sequence 3, Appl | 175 | 13 | 52.0 | 514 | 14 | US-10-198-846-9043 | Sequence 9043, App |
| C 103 | 14 | 56.0 | 250000 | 12 | US-10-225-810-26 | Sequence 26, Appl | 176 | 13 | 52.0 | 517 | 13 | US-10-027-632-91558 | Sequence 91558, A |
| C 104 | 14 | 56.0 | 684973 | 10 | US-09-263-959-1 | Sequence 1, Appl | 177 | 13 | 52.0 | 517 | 13 | US-10-027-632-91559 | Sequence 91559, A |
| C 105 | 14 | 56.0 | 1503841 | 9 | US-09-795-686-1 | Sequence 1, Appl | 178 | 13 | 52.0 | 526 | 11 | US-09-918-999-27090 | Sequence 27090, A |
| C 106 | 14 | 56.0 | 1503841 | 9 | US-09-795-686-1 | Sequence 1, Appl | 179 | 13 | 52.0 | 527 | 13 | US-10-027-632-105578 | Sequence 105578, A |
| C 107 | 14 | 56.0 | 1503841 | 10 | US-09-946-807-1 | Sequence 1, Appl | 180 | 13 | 52.0 | 531 | 10 | US-09-974-300-7386 | Sequence 7386, App |
| C 108 | 13 | 52.0 | 24 | 10 | US-09-895-382-6 | Sequence 6, Appl | 181 | 13 | 52.0 | 531 | 13 | US-10-062-254-119 | Sequence 119, App |
| C 109 | 13 | 52.0 | 25 | 14 | US-10-098-263B-44186 | Sequence 44186, A | 182 | 13 | 52.0 | 531 | 13 | US-10-027-632-256033 | Sequence 256033, A |
| C 110 | 13 | 52.0 | 60 | 12 | US-09-908-975-6211 | Sequence 6211, App | 183 | 13 | 52.0 | 533 | 13 | US-10-027-632-292072 | Sequence 292072, A |
| C 111 | 13 | 52.0 | 60 | 12 | US-09-908-975-15231 | Sequence 15231, A | 184 | 13 | 52.0 | 534 | 13 | US-10-027-632-104732 | Sequence 104732, A |
| C 112 | 13 | 52.0 | 61 | 9 | US-09-785-668-1310 | Sequence 1310, App | 185 | 13 | 52.0 | 535 | 10 | US-09-834-975-60 | Sequence 60, Appl |
| C 113 | 13 | 52.0 | 61 | 9 | US-09-795-686-1310 | Sequence 1310, App | 186 | 13 | 52.0 | 536 | 13 | US-10-027-632-131780 | Sequence 131780, A |
| C 114 | 13 | 52.0 | 61 | 9 | US-09-946-807-1310 | Sequence 1310, App | 187 | 13 | 52.0 | 536 | 14 | US-10-198-846-12267 | Sequence 12267, A |
| C 115 | 13 | 52.0 | 157 | 10 | US-09-878-574-11569 | Sequence 11569, A | 188 | 13 | 52.0 | 541 | 13 | US-10-040-739-1319 | Sequence 1319, App |
| C 116 | 13 | 52.0 | 209 | 10 | US-09-960-352-2301 | Sequence 2301, App | 189 | 13 | 52.0 | 542 | 9 | US-09-864-761-12192 | Sequence 12192, A |
| C 117 | 13 | 52.0 | 212 | 10 | US-09-878-574-14842 | Sequence 14842, A | 190 | 13 | 52.0 | 544 | 13 | US-10-027-632-18573 | Sequence 18573, A |
| C 118 | 13 | 52.0 | 222 | 14 | US-10-060-036-3057 | Sequence 3057, App | 191 | 13 | 52.0 | 545 | 13 | US-10-027-632-207581 | Sequence 207581, A |
| C 119 | 13 | 52.0 | 223 | 9 | US-09-864-761-21959 | Sequence 21959, A | 192 | 13 | 52.0 | 545 | 13 | US-10-027-632-207582 | Sequence 207582, A |
| C 120 | 13 | 52.0 | 247 | 10 | US-09-878-574-6327 | Sequence 6327, App | 193 | 13 | 52.0 | 546 | 13 | US-10-027-632-174783 | Sequence 174783, A |
| C 121 | 13 | 52.0 | 258 | 14 | US-10-060-036-3766 | Sequence 3766, App | 194 | 13 | 52.0 | 547 | 13 | US-10-027-632-11032 | Sequence 11032, A |
| C 122 | 13 | 52.0 | 259 | 14 | US-10-060-036-3498 | Sequence 3498, App | 195 | 13 | 52.0 | 551 | 13 | US-10-027-632-129817 | Sequence 129817, A |
| C 123 | 13 | 52.0 | 261 | 10 | US-09-878-574-10539 | Sequence 10539, A | 196 | 13 | 52.0 | 552 | 12 | US-09-827-367C-20 | Sequence 20, Appl |
| C 124 | 13 | 52.0 | 262 | 14 | US-10-060-036-3465 | Sequence 3465, App | 197 | 13 | 52.0 | 559 | 11 | US-09-784-892-565 | Sequence 565, App |
| C 125 | 13 | 52.0 | 269 | 14 | US-10-060-036-3375 | Sequence 3375, App | 198 | 13 | 52.0 | 562 | 10 | US-09-954-456-216 | Sequence 216, App |
| C 126 | 13 | 52.0 | 269 | 14 | US-10-060-036-4181 | Sequence 4181, App | 199 | 13 | 52.0 | 562 | 10 | US-09-954-456-822 | Sequence 822, App |
| C 127 | 13 | 52.0 | 270 | 14 | US-10-060-036-3786 | Sequence 3786, App | 200 | 13 | 52.0 | 569 | 13 | US-09-954-456-1225 | Sequence 1225, A |
| C 128 | 13 | 52.0 | 271 | 14 | US-10-060-036-4488 | Sequence 4488, App | 201 | 13 | 52.0 | 569 | 10 | US-09-917-800A-1364 | Sequence 1364, App |
| C 129 | 13 | 52.0 | 272 | 14 | US-10-060-036-3271 | Sequence 3271, App | 202 | 13 | 52.0 | 569 | 10 | US-09-867-701-9864 | Sequence 9864, App |
| C 130 | 13 | 52.0 | 273 | 10 | US-09-983-965-117 | Sequence 117, App | 203 | 13 | 52.0 | 576 | 14 | US-10-106-698-2827 | Sequence 2827, App |
| C 131 | 13 | 52.0 | 276 | 14 | US-10-060-036-3491 | Sequence 3491, App | 204 | 13 | 52.0 | 579 | 13 | US-10-027-632-223805 | Sequence 223805, A |
| C 132 | 13 | 52.0 | 294 | 10 | US-09-783-590-11124 | Sequence 11124, A | 205 | 13 | 52.0 | 589 | 13 | US-10-027-632-61670 | Sequence 61670, A |
| C 133 | 13 | 52.0 | 297 | 13 | US-10-027-632-151590 | Sequence 151590, A | 206 | 13 | 52.0 | 608 | 13 | US-10-027-632-309910 | Sequence 309910, A |
| C 134 | 13 | 52.0 | 305 | 14 | US-10-060-036-502 | Sequence 502, App | 207 | 13 | 52.0 | 611 | 10 | US-09-879-536-416 | Sequence 416, App |
| C 135 | 13 | 52.0 | 348 | 11 | US-09-918-995-7518 | Sequence 7518, App | 208 | 13 | 52.0 | 606 | 13 | US-10-027-632-216659 | Sequence 216659, A |
| C 136 | 13 | 52.0 | 361 | 11 | US-09-918-995-37807 | Sequence 37807, A | 209 | 13 | 52.0 | 606 | 13 | US-10-027-632-237555 | Sequence 237555, A |
| C 137 | 13 | 52.0 | 373 | 13 | US-10-027-632-255134 | Sequence 255134, A | 210 | 13 | 52.0 | 607 | 10 | US-09-954-456-1890 | Sequence 1890, App |
| C 138 | 13 | 52.0 | 382 | 10 | US-09-960-352-2711 | Sequence 2711, App | 211 | 13 | 52.0 | 608 | 13 | US-10-027-632-309909 | Sequence 309909, A |
| C 139 | 13 | 52.0 | 395 | 10 | US-09-960-352-4653 | Sequence 4653, App | 212 | 13 | 52.0 | 608 | 13 | US-10-027-632-309910 | Sequence 309910, A |
| C 140 | 13 | 52.0 | 396 | 14 | US-10-060-036-3274 | Sequence 3274, App | 213 | 13 | 52.0 | 611 | 10 | US-09-879-536-416 | Sequence 416, App |
| C 141 | 13 | 52.0 | 397 | 13 | US-10-027-632-38111 | Sequence 38111, A | 214 | 13 | 52.0 | 611 | 13 | US-10-027-632-228639 | Sequence 228639, A |
| C 142 | 13 | 52.0 | 402 | 13 | US-10-027-632-128833 | Sequence 128833, A | 215 | 13 | 52.0 | 611 | 13 | US-10-027-632-228640 | Sequence 228640, A |
| C 143 | 13 | 52.0 | 404 | 10 | US-09-960-352-7956 | Sequence 7956, App | 216 | 13 | 52.0 | 611 | 13 | US-10-027-632-320436 | Sequence 320436, A |
| C 144 | 13 | 52.0 | 404 | 13 | US-10-027-632-283405 | Sequence 283405, A | 217 | 13 | 52.0 | 612 | 13 | US-10-027-632-207347 | Sequence 207347, A |
| C 145 | 13 | 52.0 | 405 | 9 | US-09-864-761-6412 | Sequence 6412, App | 218 | 13 | 52.0 | 615 | 9 | US-09-778-320-296 | Sequence 296, App |
| C 146 | 13 | 52.0 | 410 | 13 | US-10-027-632-27182 | Sequence 27182, A | 219 | 13 | 52.0 | 615 | 9 | US-09-910-689-296 | Sequence 296, App |
| C 147 | 13 | 52.0 | 416 | 10 | US-09-960-352-2744 | Sequence 2744, App | 220 | 13 | 52.0 | 615 | 9 | US-10-010-742-286 | Sequence 286, App |
| C 148 | 13 | 52.0 | 433 | 11 | US-09-918-995-3345 | Sequence 3345, App | 221 | 13 | 52.0 | 616 | 13 | US-10-027-632-42756 | Sequence 42756, A |
| C 149 | 13 | 52.0 | 437 | 13 | US-10-027-632-44142 | Sequence 44142, A | 222 | 13 | 52.0 | 616 | 13 | US-10-027-632-67903 | Sequence 67903, A |
| C 150 | 13 | 52.0 | 441 | 13 | US-10-040-739-1410 | Sequence 1410, App | 223 | 13 | 52.0 | 616 | 13 | US-10-027-632-69179 | Sequence 69179, A |
| C 151 | 13 | 52.0 | 450 | 11 | US-09-764-891-1715 | Sequence 1715, App | 224 | 13 | 52.0 | 616 | 13 | US-10-027-632-14742 | Sequence 14742, A |
| C 152 | 13 | 52.0 | 450 | 14 | US-10-156-761-519 | Sequence 519, App | 225 | 13 | 52.0 | 617 | 13 | US-10-027-632-214538 | Sequence 214538, A |
| C 153 | 13 | 52.0 | 468 | 13 | US-10-027-632-198706 | Sequence 198706, A | 226 | 13 | 52.0 | 619 | 13 | US-10-027-632-195593 | Sequence 195593, A |
| C 154 | 13 | 52.0 | 471 | 13 | US-10-027-632-49407 | Sequence 49407, A | 227 | 13 | 52.0 | 625 | 13 | US-10-027-632-68937 | Sequence 68937, A |
| C 155 | 13 | 52.0 | 472 | 13 | US-10-027-632-90593 | Sequence 90593, A | 228 | 13 | 52.0 | 625 | 13 | US-10-027-632-284747 | Sequence 284747, A |
| C 156 | 13 | 52.0 | 475 | 10 | US-10-027-632-317438 | Sequence 317438, A | 229 | 13 | 52.0 | 628 | 14 | US-10-255-536-62 | Sequence 536, App |
| C 157 | 13 | 52.0 | 475 | 13 | US-09-783-590-6944 | Sequence 6944, App | 230 | 13 | 52.0 | 630 | 9 | US-09-925-297-52 | Sequence 297, App |
| C 158 | 13 | 52.0 | 479 | 13 | US-09-878-574-4307 | Sequence 4307, App | 231 | 13 | 52.0 | 631 | 10 | US-09-864-864-128 | Sequence 128, App |
| C 159 | 13 | 52.0 | 480 | 13 | US-10-027-632-80102 | Sequence 80102, A | 232 | 13 | 52.0 | 631 | 13 | US-10-027-632-21460 | Sequence 21460, A |
| C 160 | 13 | 52.0 | 480 | 13 | US-10-027-632-80103 | Sequence 80103, A | 233 | 13 | 52.0 | 631 | 13 | US-10-027-632-21461 | Sequence 21461, A |
| C 161 | 13 | 52.0 | 481 | 9 | US-09-864-761-6095 | Sequence 6095, App | 234 | 13 | 52.0 | 632 | 13 | US-10-027-632-102654 | Sequence 102654, A |
| C 162 | 13 | 52.0 | 481 | 3 | US-10-027-632-193998 | Sequence 193998, A | 235 | 13 | 52.0 | 635 | 14 | US-10-198-846-9237 | Sequence 9237, App |

| | | | | | | | | | | | | | |
|-------|----|------|-----|----|----------------------|---------------------|-------|----|------|------|----|----------------------|--------------------|
| C 236 | 13 | 52.0 | 637 | 13 | US-10-027-632-240073 | Sequence 240073, | C 309 | 13 | 52.0 | 795 | 14 | US-10-198-846-5658 | Sequence 5658, Ap |
| C 237 | 13 | 52.0 | 637 | 13 | US-10-027-632-240074 | Sequence 240074, | C 310 | 13 | 52.0 | 799 | 13 | US-10-027-632-127838 | Sequence 127838, |
| C 238 | 13 | 52.0 | 638 | 13 | US-10-027-632-278419 | Sequence 278419, | C 311 | 13 | 52.0 | 799 | 13 | US-10-027-632-127839 | Sequence 127839, |
| C 239 | 13 | 52.0 | 639 | 13 | US-10-027-632-82558 | Sequence 82558, A | C 312 | 13 | 52.0 | 811 | 13 | US-10-027-632-166398 | Sequence 166398, |
| C 240 | 13 | 52.0 | 639 | 13 | US-10-027-632-302215 | Sequence 302215, | C 313 | 13 | 52.0 | 812 | 14 | US-10-198-846-9245 | Sequence 9245, Ap |
| C 241 | 13 | 52.0 | 640 | 13 | US-10-027-632-7095 | Sequence 7095, Ap | C 314 | 13 | 52.0 | 813 | 13 | US-10-027-632-160195 | Sequence 160195, |
| C 242 | 13 | 52.0 | 646 | 13 | US-10-027-632-278388 | Sequence 278388, | C 315 | 13 | 52.0 | 819 | 13 | US-10-027-632-154817 | Sequence 154817, |
| C 243 | 13 | 52.0 | 649 | 13 | US-10-027-632-102716 | Sequence 102716, | C 316 | 13 | 52.0 | 826 | 14 | US-10-198-846-5664 | Sequence 5664, Ap |
| C 244 | 13 | 52.0 | 649 | 13 | US-10-027-632-102717 | Sequence 102717, | C 317 | 13 | 52.0 | 829 | 9 | US-09-765-27-1133 | Sequence 1133, App |
| C 245 | 13 | 52.0 | 649 | 13 | US-10-027-632-102718 | Sequence 102718, | C 318 | 13 | 52.0 | 833 | 14 | US-10-027-632-147872 | Sequence 147872, |
| C 246 | 13 | 52.0 | 651 | 14 | US-10-106-698-22329 | Sequence 22329, Ap | C 319 | 13 | 52.0 | 833 | 14 | US-10-198-846-5689 | Sequence 5689, Ap |
| C 247 | 13 | 52.0 | 654 | 13 | US-10-027-632-98307 | Sequence 98307, A | C 320 | 13 | 52.0 | 834 | 14 | US-10-198-846-5637 | Sequence 5637, Ap |
| C 248 | 13 | 52.0 | 656 | 13 | US-10-027-632-212022 | Sequence 212022, | C 321 | 13 | 52.0 | 835 | 14 | US-10-027-632-8059 | Sequence 8059, Ap |
| C 249 | 13 | 52.0 | 656 | 13 | US-10-027-632-212023 | Sequence 212023, | C 322 | 13 | 52.0 | 835 | 14 | US-10-198-846-5661 | Sequence 5661, Ap |
| C 250 | 13 | 52.0 | 656 | 14 | US-10-198-846-5703 | Sequence 5703, Ap | C 323 | 13 | 52.0 | 842 | 14 | US-10-198-846-5705 | Sequence 5705, Ap |
| C 251 | 13 | 52.0 | 660 | 13 | US-10-027-632-131009 | Sequence 131009, | C 324 | 13 | 52.0 | 845 | 14 | US-10-198-846-5667 | Sequence 5667, Ap |
| C 252 | 13 | 52.0 | 665 | 13 | US-10-027-632-34571 | Sequence 34571, A | C 325 | 13 | 52.0 | 847 | 14 | US-10-198-846-5690 | Sequence 5690, Ap |
| C 253 | 13 | 52.0 | 668 | 13 | US-10-027-632-213564 | Sequence 213564, | C 326 | 13 | 52.0 | 851 | 13 | US-10-027-632-157479 | Sequence 157479, |
| C 254 | 13 | 52.0 | 668 | 13 | US-10-027-632-213565 | Sequence 213565, | C 327 | 13 | 52.0 | 852 | 13 | US-10-027-632-169864 | Sequence 169864, |
| C 255 | 13 | 52.0 | 668 | 13 | US-10-027-632-213566 | Sequence 213566, | C 328 | 13 | 52.0 | 853 | 13 | US-10-027-632-8079 | Sequence 8079, Ap |
| C 256 | 13 | 52.0 | 668 | 13 | US-10-027-632-213567 | Sequence 213567, | C 329 | 13 | 52.0 | 857 | 14 | US-10-198-846-5728 | Sequence 5728, Ap |
| C 257 | 13 | 52.0 | 671 | 13 | US-10-027-632-262204 | Sequence 262204, | C 330 | 13 | 52.0 | 860 | 12 | US-10-161-051-191 | Sequence 191, App |
| C 258 | 13 | 52.0 | 671 | 13 | US-10-027-632-262205 | Sequence 262205, | C 331 | 13 | 52.0 | 861 | 13 | US-10-027-632-163414 | Sequence 163414, |
| C 259 | 13 | 52.0 | 671 | 13 | US-10-027-632-262206 | Sequence 262206, | C 332 | 13 | 52.0 | 861 | 13 | US-10-027-632-163415 | Sequence 163415, |
| C 260 | 13 | 52.0 | 671 | 13 | US-10-027-632-262207 | Sequence 262207, | C 333 | 13 | 52.0 | 862 | 14 | US-10-198-846-5678 | Sequence 5678, Ap |
| C 261 | 13 | 52.0 | 673 | 13 | US-10-027-632-241700 | Sequence 241700, | C 334 | 13 | 52.0 | 863 | 14 | US-10-198-846-5663 | Sequence 5663, Ap |
| C 262 | 13 | 52.0 | 673 | 13 | US-10-027-632-241701 | Sequence 241701, | C 335 | 13 | 52.0 | 868 | 14 | US-10-198-846-5648 | Sequence 5648, Ap |
| C 263 | 13 | 52.0 | 674 | 13 | US-10-027-632-139641 | Sequence 129641, | C 336 | 13 | 52.0 | 869 | 14 | US-10-198-846-5656 | Sequence 5656, Ap |
| C 264 | 13 | 52.0 | 676 | 13 | US-10-027-632-211769 | Sequence 211769, | C 337 | 13 | 52.0 | 873 | 14 | US-10-198-846-5721 | Sequence 5721, Ap |
| C 265 | 13 | 52.0 | 679 | 13 | US-10-027-632-100125 | Sequence 100125, | C 338 | 13 | 52.0 | 878 | 14 | US-10-198-846-5721 | Sequence 5721, Ap |
| C 266 | 13 | 52.0 | 679 | 13 | US-10-027-632-100126 | Sequence 100126, | C 339 | 13 | 52.0 | 881 | 11 | US-09-984-271-40 | Sequence 271-40 |
| C 267 | 13 | 52.0 | 679 | 13 | US-10-027-632-135064 | Sequence 135064, | C 340 | 13 | 52.0 | 891 | 13 | US-10-027-632-4563 | Sequence 4563, Ap |
| C 268 | 13 | 52.0 | 679 | 13 | US-10-027-632-163964 | Sequence 163964, | C 341 | 13 | 52.0 | 891 | 13 | US-10-027-632-4564 | Sequence 4564, Ap |
| C 269 | 13 | 52.0 | 679 | 13 | US-10-027-632-163965 | Sequence 163965, | C 342 | 13 | 52.0 | 893 | 14 | US-10-198-846-5548 | Sequence 5548, Ap |
| C 270 | 13 | 52.0 | 679 | 13 | US-10-027-632-163966 | Sequence 163966, | C 343 | 13 | 52.0 | 895 | 13 | US-10-027-632-152667 | Sequence 152667, |
| C 271 | 13 | 52.0 | 683 | 13 | US-10-027-632-112857 | Sequence 132857, | C 344 | 13 | 52.0 | 900 | 10 | US-09-891-641-58 | Sequence 58, App1 |
| C 272 | 13 | 52.0 | 685 | 13 | US-10-027-632-280514 | Sequence 280514, | C 345 | 13 | 52.0 | 900 | 14 | US-10-198-846-5715 | Sequence 5715, Ap |
| C 273 | 13 | 52.0 | 692 | 13 | US-10-027-632-68626 | Sequence 68626, A | C 346 | 13 | 52.0 | 920 | 14 | US-10-198-846-5666 | Sequence 5666, Ap |
| C 274 | 13 | 52.0 | 694 | 13 | US-10-027-632-17152 | Sequence 17152, A | C 347 | 13 | 52.0 | 1011 | 14 | US-10-198-846-5673 | Sequence 5673, Ap |
| C 275 | 13 | 52.0 | 695 | 14 | US-10-106-698-2525 | Sequence 2525, Ap | C 348 | 13 | 52.0 | 1013 | 10 | US-09-823-8304-350 | Sequence 350, App |
| C 276 | 13 | 52.0 | 700 | 9 | US-09-810-936-174 | Sequence 174, App | C 349 | 13 | 52.0 | 1018 | 14 | US-10-198-846-5713 | Sequence 5713, Ap |
| C 277 | 13 | 52.0 | 700 | 10 | US-09-429-735-174 | Sequence 174, App | C 350 | 13 | 52.0 | 1033 | 13 | US-10-027-632-262230 | Sequence 262230, |
| C 278 | 13 | 52.0 | 700 | 13 | US-09-924-400-174 | Sequence 174, App | C 351 | 13 | 52.0 | 1041 | 9 | US-09-604-287A-423 | Sequence 423, App |
| C 279 | 13 | 52.0 | 700 | 14 | US-10-212-679-174 | Sequence 174, App | C 352 | 13 | 52.0 | 1041 | 11 | US-09-551-621-423 | Sequence 423, App |
| C 280 | 13 | 52.0 | 704 | 13 | US-10-027-632-137840 | Sequence 127840, | C 353 | 13 | 52.0 | 1041 | 12 | US-10-124-805-423 | Sequence 423, App |
| C 281 | 13 | 52.0 | 706 | 13 | US-10-027-632-105350 | Sequence 105350, | C 354 | 13 | 52.0 | 1041 | 13 | US-10-007-805-423 | Sequence 423, App |
| C 282 | 13 | 52.0 | 706 | 13 | US-10-027-632-134743 | Sequence 134743, | C 355 | 13 | 52.0 | 1041 | 14 | US-10-076-622-423 | Sequence 422, App |
| C 283 | 13 | 52.0 | 717 | 13 | US-10-027-632-146345 | Sequence 146345, | C 356 | 13 | 52.0 | 1062 | 10 | US-09-962-739-3 | Sequence 739-3 |
| C 284 | 13 | 52.0 | 717 | 13 | US-10-027-632-146346 | Sequence 146346, | C 357 | 13 | 52.0 | 1074 | 9 | US-09-861-451A-49 | Sequence 49, App1 |
| C 285 | 13 | 52.0 | 717 | 13 | US-10-027-632-146347 | Sequence 146347, | C 358 | 13 | 52.0 | 1080 | 9 | US-09-815-242-4061 | Sequence 4061, Ap |
| C 286 | 13 | 52.0 | 717 | 13 | US-10-027-632-146348 | Sequence 146348, | C 359 | 13 | 52.0 | 1111 | 13 | US-10-027-632-117536 | Sequence 117526, |
| C 287 | 13 | 52.0 | 723 | 13 | US-10-027-632-16643 | Sequence 16643, A | C 360 | 13 | 52.0 | 1126 | 14 | US-10-198-846-5685 | Sequence 5685, Ap |
| C 288 | 13 | 52.0 | 723 | 13 | US-10-027-632-16643 | Sequence 16643, A | C 361 | 13 | 52.0 | 1138 | 14 | US-10-198-846-5621 | Sequence 5621, Ap |
| C 289 | 13 | 52.0 | 723 | 13 | US-10-027-632-16644 | Sequence 16644, A | C 362 | 13 | 52.0 | 1141 | 13 | US-10-027-632-855238 | Sequence 255238, |
| C 290 | 13 | 52.0 | 727 | 13 | US-10-027-632-110711 | Sequence 110711, | C 363 | 13 | 52.0 | 1158 | 14 | US-10-198-846-5632 | Sequence 5632, Ap |
| C 291 | 13 | 52.0 | 728 | 13 | US-10-027-632-144538 | Sequence 144538, | C 364 | 13 | 52.0 | 1173 | 9 | US-09-815-242-9534 | Sequence 9534, Ap |
| C 292 | 13 | 52.0 | 731 | 13 | US-10-027-632-18111 | Sequence 18111, A | C 365 | 13 | 52.0 | 1181 | 13 | US-10-027-632-211183 | Sequence 211183, |
| C 293 | 13 | 52.0 | 731 | 13 | US-10-027-632-151734 | Sequence 151734, | C 366 | 13 | 52.0 | 1231 | 13 | US-10-027-632-214018 | Sequence 214018, |
| C 294 | 13 | 52.0 | 737 | 13 | US-10-027-632-3651 | Sequence 3651, Ap | C 367 | 13 | 52.0 | 1239 | 9 | US-09-796-885-31 | Sequence 31, App1 |
| C 295 | 13 | 52.0 | 737 | 13 | US-10-027-632-3652 | Sequence 3652, Ap | C 368 | 13 | 52.0 | 1282 | 10 | US-10-198-846-5655 | Sequence 5655, Ap |
| C 296 | 13 | 52.0 | 742 | 13 | US-10-027-632-166017 | Sequence 166017, | C 369 | 13 | 52.0 | 1318 | 14 | US-09-778-844-1 | Sequence 1, App1 |
| C 297 | 13 | 52.0 | 758 | 13 | US-10-027-632-134744 | Sequence 134744, | C 370 | 13 | 52.0 | 1318 | 13 | US-10-027-632-177480 | Sequence 177480, |
| C 298 | 13 | 52.0 | 762 | 13 | US-10-027-632-23417 | Sequence 23417, A | C 371 | 13 | 52.0 | 1318 | 13 | US-10-027-632-177481 | Sequence 177481, |
| C 299 | 13 | 52.0 | 762 | 13 | US-10-027-632-23418 | Sequence 23418, A | C 372 | 13 | 52.0 | 1318 | 13 | US-10-027-632-177482 | Sequence 177482, |
| C 300 | 13 | 52.0 | 762 | 13 | US-10-027-632-23419 | Sequence 23419, A | C 373 | 13 | 52.0 | 1318 | 13 | US-10-027-632-177483 | Sequence 177483, |
| C 301 | 13 | 52.0 | 762 | 13 | US-10-027-632-98308 | Sequence 98308, A | C 374 | 13 | 52.0 | 1318 | 13 | US-10-027-632-177484 | Sequence 177484, |
| C 302 | 13 | 52.0 | 772 | 14 | US-10-198-846-5618 | Sequence 5618, Ap | C 375 | 13 | 52.0 | 1350 | 13 | US-10-027-632-249117 | Sequence 249117, |
| C 303 | 13 | 52.0 | 773 | 14 | US-10-198-846-5618 | Sequence 5618, Ap | C 376 | 13 | 52.0 | 1379 | 10 | US-09-764-868-87 | Sequence 87, App1 |
| C 304 | 13 | 52.0 | 780 | 13 | US-10-198-846-5669 | Sequence 5669, Ap | C 377 | 13 | 52.0 | 1455 | 9 | US-09-738-626-2886 | Sequence 2886, Ap |
| C 305 | 13 | 52.0 | 788 | 14 | US-10-027-632-145869 | Sequence 145869, Ap | C 378 | 13 | 52.0 | 1464 | 9 | US-09-823-901-6 | Sequence 6, App1 |
| C 306 | 13 | 52.0 | 789 | 14 | US-10-198-846-5670 | Sequence 5670, Ap | C 379 | 13 | 52.0 | 1464 | 14 | US-10-175-686-18 | Sequence 18, App1 |
| C 307 | 13 | 52.0 | 791 | 10 | US-09-764-868-506 | Sequence 506, App | C 380 | 13 | 52.0 | 1494 | 14 | US-10-156-761-3469 | Sequence 3469, Ap |
| C 308 | 13 | 52.0 | 791 | 13 | US-10-027-632-33387 | Sequence 33387, A | C 381 | 13 | 52.0 | 1521 | 11 | US-09-769-787-292 | Sequence 292, App |

| | | | | | | | | | | | | | |
|-------|----|------|------|----|----------------------|-------------------|-----|----|------|------|----|-------------------|-------------------|
| 382 | 13 | 52.0 | 1607 | 13 | US-10-027-632-177343 | Sequence 177343, | 455 | 13 | 52.0 | 1819 | 12 | US-10-179-508-39 | Sequence 39, Appl |
| C 383 | 13 | 52.0 | 1610 | 14 | US-10-037-270-1049 | Sequence 1049, Ap | 456 | 13 | 52.0 | 1819 | 12 | US-10-179-512-39 | Sequence 39, Appl |
| C 384 | 13 | 52.0 | 1624 | 11 | US-09-764-891-7397 | Sequence 7397, Ap | 457 | 13 | 52.0 | 1819 | 12 | US-10-179-515-39 | Sequence 39, Appl |
| C 385 | 13 | 52.0 | 1625 | 11 | US-09-764-891-7398 | Sequence 7398, Ap | 458 | 13 | 52.0 | 1819 | 12 | US-10-017-19A-35 | Sequence 35, Appl |
| 386 | 13 | 52.0 | 1652 | 12 | US-10-032-585-6912 | Sequence 6912, Ap | 459 | 13 | 52.0 | 1819 | 12 | US-10-173-702-39 | Sequence 39, Appl |
| 387 | 13 | 52.0 | 1698 | 12 | US-10-349-836-19 | Sequence 19, Appl | 460 | 13 | 52.0 | 1819 | 12 | US-10-173-703-39 | Sequence 39, Appl |
| C 388 | 13 | 52.0 | 1710 | 12 | US-09-814-353-20784 | Sequence 20784, A | 461 | 13 | 52.0 | 1819 | 12 | US-10-173-704-39 | Sequence 39, Appl |
| C 389 | 13 | 52.0 | 1782 | 11 | US-09-809-391-120 | Sequence 120, App | 462 | 13 | 52.0 | 1819 | 12 | US-10-176-486-39 | Sequence 39, Appl |
| 390 | 13 | 52.0 | 1782 | 12 | US-09-882-171-120 | Sequence 120, App | 463 | 13 | 52.0 | 1819 | 12 | US-10-176-490-39 | Sequence 39, Appl |
| 391 | 13 | 52.0 | 1782 | 12 | US-10-027-632-100445 | Sequence 100445, | 464 | 13 | 52.0 | 1819 | 12 | US-10-176-753-39 | Sequence 39, Appl |
| 392 | 13 | 52.0 | 1819 | 10 | US-09-978-295A-35 | Sequence 35, Appl | 465 | 13 | 52.0 | 1819 | 12 | US-10-176-981-39 | Sequence 39, Appl |
| 393 | 13 | 52.0 | 1819 | 10 | US-09-978-697-35 | Sequence 35, Appl | 466 | 13 | 52.0 | 1819 | 12 | US-10-176-983-39 | Sequence 39, Appl |
| 394 | 13 | 52.0 | 1819 | 10 | US-09-978-192A-35 | Sequence 35, Appl | 467 | 13 | 52.0 | 1819 | 12 | US-10-176-988-39 | Sequence 39, Appl |
| 395 | 13 | 52.0 | 1819 | 10 | US-09-978-192A-35 | Sequence 35, Appl | 468 | 13 | 52.0 | 1819 | 12 | US-10-176-988-39 | Sequence 39, Appl |
| 396 | 13 | 52.0 | 1819 | 10 | US-09-999-832A-35 | Sequence 35, Appl | 469 | 13 | 52.0 | 1819 | 12 | US-10-179-517-39 | Sequence 39, Appl |
| 397 | 13 | 52.0 | 1819 | 11 | US-09-978-189-35 | Sequence 35, Appl | 470 | 13 | 52.0 | 1819 | 12 | US-10-179-521-39 | Sequence 35, Appl |
| 398 | 13 | 52.0 | 1819 | 11 | US-09-978-608A-35 | Sequence 35, Appl | 471 | 13 | 52.0 | 1819 | 12 | US-10-143-028A-35 | Sequence 35, Appl |
| 399 | 13 | 52.0 | 1819 | 11 | US-09-978-585A-35 | Sequence 35, Appl | 472 | 13 | 52.0 | 1819 | 12 | US-10-143-028A-35 | Sequence 35, Appl |
| 400 | 13 | 52.0 | 1819 | 11 | US-09-978-191A-35 | Sequence 35, Appl | 473 | 13 | 52.0 | 1819 | 12 | US-10-143-028A-35 | Sequence 35, Appl |
| 401 | 13 | 52.0 | 1819 | 11 | US-09-978-403A-35 | Sequence 35, Appl | 474 | 13 | 52.0 | 1819 | 12 | US-10-202-475-39 | Sequence 35, Appl |
| 402 | 13 | 52.0 | 1819 | 11 | US-09-978-564A-35 | Sequence 35, Appl | 475 | 13 | 52.0 | 1819 | 12 | US-10-013-926A-35 | Sequence 35, Appl |
| 403 | 13 | 52.0 | 1819 | 11 | US-09-999-833A-35 | Sequence 35, Appl | 476 | 13 | 52.0 | 1819 | 12 | US-10-145-017A-35 | Sequence 35, Appl |
| 404 | 13 | 52.0 | 1819 | 11 | US-09-981-915A-35 | Sequence 35, Appl | 477 | 13 | 52.0 | 1819 | 12 | US-10-164-778A-35 | Sequence 35, Appl |
| 405 | 13 | 52.0 | 1819 | 11 | US-09-978-824-35 | Sequence 35, Appl | 478 | 13 | 52.0 | 1819 | 12 | US-10-165-067A-35 | Sequence 35, Appl |
| 406 | 13 | 52.0 | 1819 | 11 | US-09-918-585A-35 | Sequence 35, Appl | 479 | 13 | 52.0 | 1819 | 12 | US-10-052-586-39 | Sequence 39, Appl |
| 407 | 13 | 52.0 | 1819 | 11 | US-09-978-423A-35 | Sequence 35, Appl | 480 | 13 | 52.0 | 1819 | 14 | US-10-174-580-39 | Sequence 39, Appl |
| 408 | 13 | 52.0 | 1819 | 11 | US-09-978-193A-35 | Sequence 35, Appl | 481 | 13 | 52.0 | 1819 | 14 | US-10-176-758-39 | Sequence 39, Appl |
| 409 | 13 | 52.0 | 1819 | 11 | US-09-999-830A-35 | Sequence 35, Appl | 482 | 13 | 52.0 | 1819 | 14 | US-10-175-737-39 | Sequence 39, Appl |
| 410 | 13 | 52.0 | 1819 | 11 | US-09-978-757A-35 | Sequence 35, Appl | 483 | 13 | 52.0 | 1819 | 14 | US-10-173-706-39 | Sequence 39, Appl |
| 411 | 13 | 52.0 | 1819 | 11 | US-09-978-187B-35 | Sequence 35, Appl | 484 | 13 | 52.0 | 1819 | 14 | US-10-175-728-39 | Sequence 39, Appl |
| 412 | 13 | 52.0 | 1819 | 11 | US-09-978-643A-35 | Sequence 35, Appl | 485 | 13 | 52.0 | 1819 | 14 | US-10-175-732-39 | Sequence 39, Appl |
| 413 | 13 | 52.0 | 1819 | 12 | US-09-978-375A-35 | Sequence 35, Appl | 486 | 13 | 52.0 | 1819 | 14 | US-10-176-482-39 | Sequence 39, Appl |
| 414 | 13 | 52.0 | 1819 | 12 | US-09-978-188A-35 | Sequence 35, Appl | 487 | 13 | 52.0 | 1819 | 14 | US-10-176-717-39 | Sequence 39, Appl |
| 415 | 13 | 52.0 | 1819 | 12 | US-09-978-298A-35 | Sequence 35, Appl | 488 | 13 | 52.0 | 1819 | 14 | US-10-176-913-39 | Sequence 39, Appl |
| 416 | 13 | 52.0 | 1819 | 12 | US-10-143-031A-35 | Sequence 35, Appl | 489 | 13 | 52.0 | 1819 | 14 | US-10-180-552-39 | Sequence 39, Appl |
| 417 | 13 | 52.0 | 1819 | 12 | US-10-002-967A-35 | Sequence 35, Appl | 490 | 13 | 52.0 | 1819 | 14 | US-10-180-557-39 | Sequence 39, Appl |
| 418 | 13 | 52.0 | 1819 | 12 | US-10-017-083A-35 | Sequence 35, Appl | 491 | 13 | 52.0 | 1819 | 14 | US-10-173-700-39 | Sequence 39, Appl |
| 419 | 13 | 52.0 | 1819 | 12 | US-10-143-030A-35 | Sequence 35, Appl | 492 | 13 | 52.0 | 1819 | 14 | US-10-174-572-39 | Sequence 39, Appl |
| 420 | 13 | 52.0 | 1819 | 12 | US-10-199-672-39 | Sequence 39, Appl | 493 | 13 | 52.0 | 1819 | 14 | US-10-174-579-39 | Sequence 39, Appl |
| 421 | 13 | 52.0 | 1819 | 12 | US-10-187-749-39 | Sequence 39, Appl | 494 | 13 | 52.0 | 1819 | 14 | US-10-174-582-39 | Sequence 39, Appl |
| 422 | 13 | 52.0 | 1819 | 12 | US-10-194-457-39 | Sequence 39, Appl | 495 | 13 | 52.0 | 1819 | 14 | US-10-174-588-39 | Sequence 39, Appl |
| 423 | 13 | 52.0 | 1819 | 12 | US-10-145-128A-35 | Sequence 35, Appl | 496 | 13 | 52.0 | 1819 | 14 | US-10-175-729-39 | Sequence 39, Appl |
| 424 | 13 | 52.0 | 1819 | 12 | US-10-184-642-39 | Sequence 39, Appl | 497 | 13 | 52.0 | 1819 | 14 | US-10-175-740-39 | Sequence 39, Appl |
| 425 | 13 | 52.0 | 1819 | 12 | US-10-196-747-39 | Sequence 39, Appl | 498 | 13 | 52.0 | 1819 | 14 | US-10-175-743-39 | Sequence 39, Appl |
| 426 | 13 | 52.0 | 1819 | 12 | US-10-173-689-39 | Sequence 39, Appl | 499 | 13 | 52.0 | 1819 | 14 | US-10-176-488-39 | Sequence 39, Appl |
| 427 | 13 | 52.0 | 1819 | 12 | US-10-173-690-39 | Sequence 39, Appl | 500 | 13 | 52.0 | 1819 | 14 | US-10-176-492-39 | Sequence 39, Appl |
| 428 | 13 | 52.0 | 1819 | 12 | US-10-173-691-39 | Sequence 39, Appl | 501 | 13 | 52.0 | 1819 | 14 | US-10-176-747-39 | Sequence 39, Appl |
| 429 | 13 | 52.0 | 1819 | 12 | US-10-173-692-39 | Sequence 39, Appl | 502 | 13 | 52.0 | 1819 | 14 | US-10-176-750-39 | Sequence 39, Appl |
| 430 | 13 | 52.0 | 1819 | 12 | US-10-173-693-39 | Sequence 39, Appl | 503 | 13 | 52.0 | 1819 | 14 | US-10-176-985-39 | Sequence 39, Appl |
| 431 | 13 | 52.0 | 1819 | 12 | US-10-173-698-39 | Sequence 39, Appl | 504 | 13 | 52.0 | 1819 | 14 | US-10-176-987-39 | Sequence 39, Appl |
| 432 | 13 | 52.0 | 1819 | 12 | US-10-173-699-39 | Sequence 39, Appl | 505 | 13 | 52.0 | 1819 | 14 | US-10-176-992-39 | Sequence 39, Appl |
| 433 | 13 | 52.0 | 1819 | 12 | US-10-173-707-39 | Sequence 39, Appl | 506 | 13 | 52.0 | 1819 | 14 | US-10-176-993-39 | Sequence 39, Appl |
| 434 | 13 | 52.0 | 1819 | 12 | US-10-174-569-39 | Sequence 39, Appl | 507 | 13 | 52.0 | 1819 | 14 | US-10-184-658-39 | Sequence 39, Appl |
| 435 | 13 | 52.0 | 1819 | 12 | US-10-174-583-39 | Sequence 39, Appl | 508 | 13 | 52.0 | 1819 | 14 | US-10-176-991-39 | Sequence 39, Appl |
| 436 | 13 | 52.0 | 1819 | 12 | US-10-174-587-39 | Sequence 39, Appl | 509 | 13 | 52.0 | 1819 | 14 | US-10-176-991-39 | Sequence 39, Appl |
| 437 | 13 | 52.0 | 1819 | 12 | US-10-174-589-39 | Sequence 39, Appl | 510 | 13 | 52.0 | 1819 | 14 | US-10-173-697-39 | Sequence 39, Appl |
| 438 | 13 | 52.0 | 1819 | 12 | US-10-174-591-39 | Sequence 39, Appl | 511 | 13 | 52.0 | 1819 | 14 | US-10-173-705-39 | Sequence 39, Appl |
| 439 | 13 | 52.0 | 1819 | 12 | US-10-175-736-39 | Sequence 39, Appl | 512 | 13 | 52.0 | 1819 | 14 | US-10-174-576-39 | Sequence 39, Appl |
| 440 | 13 | 52.0 | 1819 | 12 | US-10-175-742-39 | Sequence 39, Appl | 513 | 13 | 52.0 | 1819 | 14 | US-10-174-585-39 | Sequence 39, Appl |
| 441 | 13 | 52.0 | 1819 | 12 | US-10-175-743-39 | Sequence 39, Appl | 514 | 13 | 52.0 | 1819 | 14 | US-10-174-586-39 | Sequence 39, Appl |
| 442 | 13 | 52.0 | 1819 | 12 | US-10-175-745-39 | Sequence 39, Appl | 515 | 13 | 52.0 | 1819 | 14 | US-10-175-747-39 | Sequence 39, Appl |
| 443 | 13 | 52.0 | 1819 | 12 | US-10-175-748-39 | Sequence 39, Appl | 516 | 13 | 52.0 | 1819 | 14 | US-10-176-481-39 | Sequence 39, Appl |
| 444 | 13 | 52.0 | 1819 | 12 | US-10-175-751-39 | Sequence 39, Appl | 517 | 13 | 52.0 | 1819 | 14 | US-10-176-485-39 | Sequence 39, Appl |
| 445 | 13 | 52.0 | 1819 | 12 | US-10-175-754-39 | Sequence 39, Appl | 518 | 13 | 52.0 | 1819 | 14 | US-10-176-487-39 | Sequence 39, Appl |
| 446 | 13 | 52.0 | 1819 | 12 | US-10-176-480-39 | Sequence 39, Appl | 519 | 13 | 52.0 | 1819 | 14 | US-10-176-493-39 | Sequence 39, Appl |
| 447 | 13 | 52.0 | 1819 | 12 | US-10-176-489-39 | Sequence 39, Appl | 520 | 13 | 52.0 | 1819 | 14 | US-10-176-766-39 | Sequence 39, Appl |
| 448 | 13 | 52.0 | 1819 | 12 | US-10-176-754-39 | Sequence 39, Appl | 521 | 13 | 52.0 | 1819 | 14 | US-10-176-911-39 | Sequence 39, Appl |
| 449 | 13 | 52.0 | 1819 | 12 | US-10-176-755-39 | Sequence 39, Appl | 522 | 13 | 52.0 | 1819 | 14 | US-10-176-919-39 | Sequence 39, Appl |
| 450 | 13 | 52.0 | 1819 | 12 | US-10-176-759-39 | Sequence 39, Appl | 523 | 13 | 52.0 | 1819 | 14 | US-10-176-925-39 | Sequence 39, Appl |
| 451 | 13 | 52.0 | 1819 | 12 | US-10-176-920-39 | Sequence 39, Appl | 524 | 13 | 52.0 | 1819 | 14 | US-10-176-978-39 | Sequence 39, Appl |
| 452 | 13 | 52.0 | 1819 | 12 | US-10-176-922-39 | Sequence 39, Appl | 525 | 13 | 52.0 | 1819 | 14 | US-10-179-510-39 | Sequence 39, Appl |
| 453 | 13 | 52.0 | 1819 | 12 | US-10-176-924-39 | Sequence 39, Appl | 526 | 13 | 52.0 | 1819 | 14 | US-10-180-543-39 | Sequence 39, Appl |
| 454 | 13 | 52.0 | 1819 | 12 | US-10-176-984-39 | Sequence 39, Appl | 527 | 13 | 52.0 | 1819 | 14 | US-10-180-544-39 | Sequence 39, Appl |

| | | | | | | | | | | | | | |
|-----|----|------|------|----|------------------|-------------------|-----|----|------|------|----|------------------|-------------------|
| 528 | 13 | 52.0 | 1819 | 14 | US-10-180-546-39 | Sequence 39, Appl | 601 | 13 | 52.0 | 1819 | 14 | US-10-173-708-39 | Sequence 39, Appl |
| 529 | 13 | 52.0 | 1819 | 14 | US-10-180-547-39 | Sequence 39, Appl | 602 | 13 | 52.0 | 1819 | 14 | US-10-176-479-39 | Sequence 39, Appl |
| 530 | 13 | 52.0 | 1819 | 14 | US-10-180-548-39 | Sequence 39, Appl | 603 | 13 | 52.0 | 1819 | 14 | US-10-176-748-39 | Sequence 39, Appl |
| 531 | 13 | 52.0 | 1819 | 14 | US-10-180-553-39 | Sequence 39, Appl | 604 | 13 | 52.0 | 1819 | 14 | US-10-176-916-39 | Sequence 39, Appl |
| 532 | 13 | 52.0 | 1819 | 14 | US-10-180-555-39 | Sequence 39, Appl | 605 | 13 | 52.0 | 1819 | 14 | US-10-179-507-39 | Sequence 39, Appl |
| 533 | 13 | 52.0 | 1819 | 14 | US-10-181-000-39 | Sequence 39, Appl | 606 | 13 | 52.0 | 1819 | 14 | US-10-179-516-39 | Sequence 39, Appl |
| 534 | 13 | 52.0 | 1819 | 14 | US-10-183-010-39 | Sequence 39, Appl | 607 | 13 | 52.0 | 1819 | 14 | US-10-179-519-39 | Sequence 39, Appl |
| 535 | 13 | 52.0 | 1819 | 14 | US-10-183-012-39 | Sequence 39, Appl | 608 | 13 | 52.0 | 1819 | 14 | US-10-179-525-39 | Sequence 39, Appl |
| 536 | 13 | 52.0 | 1819 | 14 | US-10-184-614-39 | Sequence 39, Appl | 609 | 13 | 52.0 | 1819 | 14 | US-10-180-540-39 | Sequence 39, Appl |
| 537 | 13 | 52.0 | 1819 | 14 | US-10-184-623-39 | Sequence 39, Appl | 610 | 13 | 52.0 | 1819 | 14 | US-10-180-545-39 | Sequence 39, Appl |
| 538 | 13 | 52.0 | 1819 | 14 | US-10-184-635-39 | Sequence 39, Appl | 611 | 13 | 52.0 | 1819 | 14 | US-10-183-006-39 | Sequence 39, Appl |
| 539 | 13 | 52.0 | 1819 | 14 | US-10-184-637-39 | Sequence 39, Appl | 612 | 13 | 52.0 | 1819 | 14 | US-10-183-008-39 | Sequence 39, Appl |
| 540 | 13 | 52.0 | 1819 | 14 | US-10-184-646-39 | Sequence 39, Appl | 613 | 13 | 52.0 | 1819 | 14 | US-10-183-017-39 | Sequence 39, Appl |
| 541 | 13 | 52.0 | 1819 | 14 | US-10-184-647-39 | Sequence 39, Appl | 614 | 13 | 52.0 | 1819 | 14 | US-10-183-019-39 | Sequence 39, Appl |
| 542 | 13 | 52.0 | 1819 | 14 | US-10-184-652-39 | Sequence 39, Appl | 615 | 13 | 52.0 | 1819 | 14 | US-10-184-618-39 | Sequence 39, Appl |
| 543 | 13 | 52.0 | 1819 | 14 | US-10-187-594-39 | Sequence 39, Appl | 616 | 13 | 52.0 | 1819 | 14 | US-10-184-628-39 | Sequence 39, Appl |
| 544 | 13 | 52.0 | 1819 | 14 | US-10-187-596-39 | Sequence 39, Appl | 617 | 13 | 52.0 | 1819 | 14 | US-10-184-626-39 | Sequence 39, Appl |
| 545 | 13 | 52.0 | 1819 | 14 | US-10-187-745-39 | Sequence 39, Appl | 618 | 13 | 52.0 | 1819 | 14 | US-10-184-627-39 | Sequence 39, Appl |
| 546 | 13 | 52.0 | 1819 | 14 | US-10-187-885-39 | Sequence 39, Appl | 619 | 13 | 52.0 | 1819 | 14 | US-10-184-654-39 | Sequence 39, Appl |
| 547 | 13 | 52.0 | 1819 | 14 | US-10-187-886-39 | Sequence 39, Appl | 620 | 13 | 52.0 | 1819 | 14 | US-10-184-654-39 | Sequence 39, Appl |
| 548 | 13 | 52.0 | 1819 | 14 | US-10-199-464-39 | Sequence 39, Appl | 621 | 13 | 52.0 | 1819 | 14 | US-10-184-655-39 | Sequence 39, Appl |
| 549 | 13 | 52.0 | 1819 | 14 | US-10-196-756-39 | Sequence 39, Appl | 622 | 13 | 52.0 | 1819 | 14 | US-10-188-774-39 | Sequence 39, Appl |
| 550 | 13 | 52.0 | 1819 | 14 | US-10-176-751-39 | Sequence 39, Appl | 623 | 13 | 52.0 | 1819 | 14 | US-10-188-775-39 | Sequence 39, Appl |
| 551 | 13 | 52.0 | 1819 | 14 | US-10-176-760-39 | Sequence 39, Appl | 624 | 13 | 52.0 | 1819 | 14 | US-10-194-462-39 | Sequence 39, Appl |
| 552 | 13 | 52.0 | 1819 | 14 | US-10-176-990-39 | Sequence 39, Appl | 625 | 13 | 52.0 | 1819 | 14 | US-10-196-745-39 | Sequence 39, Appl |
| 553 | 13 | 52.0 | 1819 | 14 | US-10-180-541-39 | Sequence 39, Appl | 626 | 13 | 52.0 | 1819 | 14 | US-10-196-762-39 | Sequence 39, Appl |
| 554 | 13 | 52.0 | 1819 | 14 | US-10-180-542-39 | Sequence 39, Appl | 627 | 13 | 52.0 | 1819 | 14 | US-10-197-695-39 | Sequence 39, Appl |
| 555 | 13 | 52.0 | 1819 | 14 | US-10-180-548-39 | Sequence 39, Appl | 628 | 13 | 52.0 | 1819 | 14 | US-10-195-894-39 | Sequence 39, Appl |
| 556 | 13 | 52.0 | 1819 | 14 | US-10-180-551-39 | Sequence 39, Appl | 629 | 13 | 52.0 | 1819 | 14 | US-10-176-484-39 | Sequence 39, Appl |
| 557 | 13 | 52.0 | 1819 | 14 | US-10-180-998-39 | Sequence 39, Appl | 630 | 13 | 52.0 | 1819 | 14 | US-10-176-753-39 | Sequence 39, Appl |
| 558 | 13 | 52.0 | 1819 | 14 | US-10-180-999-39 | Sequence 39, Appl | 631 | 13 | 52.0 | 1819 | 14 | US-10-176-917-39 | Sequence 39, Appl |
| 559 | 13 | 52.0 | 1819 | 14 | US-10-183-013-39 | Sequence 39, Appl | 632 | 13 | 52.0 | 1819 | 14 | US-10-176-982-39 | Sequence 39, Appl |
| 560 | 13 | 52.0 | 1819 | 14 | US-10-184-612-39 | Sequence 39, Appl | 633 | 13 | 52.0 | 1819 | 14 | US-10-179-506-39 | Sequence 39, Appl |
| 561 | 13 | 52.0 | 1819 | 14 | US-10-184-616-39 | Sequence 39, Appl | 634 | 13 | 52.0 | 1819 | 14 | US-10-179-513-39 | Sequence 39, Appl |
| 562 | 13 | 52.0 | 1819 | 14 | US-10-184-617-39 | Sequence 39, Appl | 635 | 13 | 52.0 | 1819 | 14 | US-10-179-514-39 | Sequence 39, Appl |
| 563 | 13 | 52.0 | 1819 | 14 | US-10-184-622-39 | Sequence 39, Appl | 636 | 13 | 52.0 | 1819 | 14 | US-10-179-522-39 | Sequence 39, Appl |
| 564 | 13 | 52.0 | 1819 | 14 | US-10-184-628-39 | Sequence 39, Appl | 637 | 13 | 52.0 | 1819 | 14 | US-10-180-556-39 | Sequence 39, Appl |
| 565 | 13 | 52.0 | 1819 | 14 | US-10-184-629-39 | Sequence 39, Appl | 638 | 13 | 52.0 | 1819 | 14 | US-10-180-560-39 | Sequence 39, Appl |
| 566 | 13 | 52.0 | 1819 | 14 | US-10-184-630-39 | Sequence 39, Appl | 639 | 13 | 52.0 | 1819 | 14 | US-10-183-015-39 | Sequence 39, Appl |
| 567 | 13 | 52.0 | 1819 | 14 | US-10-184-631-39 | Sequence 39, Appl | 640 | 13 | 52.0 | 1819 | 14 | US-10-184-635-39 | Sequence 39, Appl |
| 568 | 13 | 52.0 | 1819 | 14 | US-10-184-632-39 | Sequence 39, Appl | 641 | 13 | 52.0 | 1819 | 14 | US-10-184-640-39 | Sequence 39, Appl |
| 569 | 13 | 52.0 | 1819 | 14 | US-10-184-636-39 | Sequence 39, Appl | 642 | 13 | 52.0 | 1819 | 14 | US-10-184-643-39 | Sequence 39, Appl |
| 570 | 13 | 52.0 | 1819 | 14 | US-10-184-640-39 | Sequence 39, Appl | 643 | 13 | 52.0 | 1819 | 14 | US-10-184-656-39 | Sequence 39, Appl |
| 571 | 13 | 52.0 | 1819 | 14 | US-10-184-650-39 | Sequence 39, Appl | 644 | 13 | 52.0 | 1819 | 14 | US-10-192-010-39 | Sequence 39, Appl |
| 572 | 13 | 52.0 | 1819 | 14 | US-10-184-651-39 | Sequence 39, Appl | 645 | 13 | 52.0 | 1819 | 14 | US-10-205-890-39 | Sequence 39, Appl |
| 573 | 13 | 52.0 | 1819 | 14 | US-10-187-588-39 | Sequence 39, Appl | 646 | 13 | 52.0 | 1819 | 14 | US-10-186-885-39 | Sequence 39, Appl |
| 574 | 13 | 52.0 | 1819 | 14 | US-10-187-597-39 | Sequence 39, Appl | 647 | 13 | 52.0 | 1819 | 14 | US-10-017-081A-5 | Sequence 35, Appl |
| 575 | 13 | 52.0 | 1819 | 14 | US-10-187-598-39 | Sequence 39, Appl | 648 | 13 | 52.0 | 1819 | 14 | US-10-187-599-39 | Sequence 39, Appl |
| 576 | 13 | 52.0 | 1819 | 14 | US-10-187-600-39 | Sequence 39, Appl | 649 | 13 | 52.0 | 1819 | 14 | US-10-187-750-39 | Sequence 39, Appl |
| 577 | 13 | 52.0 | 1819 | 14 | US-10-187-601-39 | Sequence 39, Appl | 650 | 13 | 52.0 | 1819 | 14 | US-10-188-780-39 | Sequence 39, Appl |
| 578 | 13 | 52.0 | 1819 | 14 | US-10-187-602-39 | Sequence 39, Appl | 651 | 13 | 52.0 | 1819 | 14 | US-10-192-015-39 | Sequence 39, Appl |
| 579 | 13 | 52.0 | 1819 | 14 | US-10-187-603-39 | Sequence 39, Appl | 652 | 13 | 52.0 | 1819 | 14 | US-10-194-394-39 | Sequence 39, Appl |
| 580 | 13 | 52.0 | 1819 | 14 | US-10-187-741-39 | Sequence 39, Appl | 653 | 13 | 52.0 | 1819 | 14 | US-10-194-425-39 | Sequence 39, Appl |
| 581 | 13 | 52.0 | 1819 | 14 | US-10-187-743-39 | Sequence 39, Appl | 654 | 13 | 52.0 | 1819 | 14 | US-10-194-488-39 | Sequence 39, Appl |
| 582 | 13 | 52.0 | 1819 | 14 | US-10-187-746-39 | Sequence 39, Appl | 655 | 13 | 52.0 | 1819 | 14 | US-10-195-889-39 | Sequence 39, Appl |
| 583 | 13 | 52.0 | 1819 | 14 | US-10-187-747-39 | Sequence 39, Appl | 656 | 13 | 52.0 | 1819 | 14 | US-10-195-889-39 | Sequence 39, Appl |
| 584 | 13 | 52.0 | 1819 | 14 | US-10-187-751-39 | Sequence 39, Appl | 657 | 13 | 52.0 | 1819 | 14 | US-10-196-748-39 | Sequence 39, Appl |
| 585 | 13 | 52.0 | 1819 | 14 | US-10-187-753-39 | Sequence 39, Appl | 658 | 13 | 52.0 | 1819 | 14 | US-10-196-750-39 | Sequence 39, Appl |
| 586 | 13 | 52.0 | 1819 | 14 | US-10-187-754-39 | Sequence 39, Appl | 659 | 13 | 52.0 | 1819 | 14 | US-10-197-699-39 | Sequence 39, Appl |
| 587 | 13 | 52.0 | 1819 | 14 | US-10-187-757-39 | Sequence 39, Appl | 660 | 13 | 52.0 | 1819 | 14 | US-10-197-700-39 | Sequence 39, Appl |
| 588 | 13 | 52.0 | 1819 | 14 | US-10-187-884-39 | Sequence 39, Appl | 661 | 13 | 52.0 | 1819 | 14 | US-10-197-705-39 | Sequence 39, Appl |
| 589 | 13 | 52.0 | 1819 | 14 | US-10-188-767-39 | Sequence 39, Appl | 662 | 13 | 52.0 | 1819 | 14 | US-10-197-708-39 | Sequence 39, Appl |
| 590 | 13 | 52.0 | 1819 | 14 | US-10-188-769-39 | Sequence 39, Appl | 663 | 13 | 52.0 | 1819 | 14 | US-10-198-764-39 | Sequence 39, Appl |
| 591 | 13 | 52.0 | 1819 | 14 | US-10-188-770-39 | Sequence 39, Appl | 664 | 13 | 52.0 | 1819 | 14 | US-10-198-765-39 | Sequence 39, Appl |
| 592 | 13 | 52.0 | 1819 | 14 | US-10-188-773-39 | Sequence 39, Appl | 665 | 13 | 52.0 | 1819 | 14 | US-10-198-768-39 | Sequence 39, Appl |
| 593 | 13 | 52.0 | 1819 | 14 | US-10-188-781-39 | Sequence 39, Appl | 666 | 13 | 52.0 | 1819 | 14 | US-10-198-769-39 | Sequence 39, Appl |
| 594 | 13 | 52.0 | 1819 | 14 | US-10-194-361-39 | Sequence 39, Appl | 667 | 13 | 52.0 | 1819 | 14 | US-10-199-305-39 | Sequence 39, Appl |
| 595 | 13 | 52.0 | 1819 | 14 | US-10-194-423-39 | Sequence 39, Appl | 668 | 13 | 52.0 | 1819 | 14 | US-10-199-306-39 | Sequence 39, Appl |
| 596 | 13 | 52.0 | 1819 | 14 | US-10-195-897-39 | Sequence 39, Appl | 669 | 13 | 52.0 | 1819 | 14 | US-10-199-310-39 | Sequence 39, Appl |
| 597 | 13 | 52.0 | 1819 | 14 | US-10-195-901-39 | Sequence 39, Appl | 670 | 13 | 52.0 | 1819 | 14 | US-10-199-311-39 | Sequence 39, Appl |
| 598 | 13 | 52.0 | 1819 | 14 | US-10-195-902-39 | Sequence 39, Appl | 671 | 13 | 52.0 | 1819 | 14 | US-10-199-314-39 | Sequence 39, Appl |
| 599 | 13 | 52.0 | 1819 | 14 | US-10-196-743-39 | Sequence 39, Appl | 672 | 13 | 52.0 | 1819 | 14 | US-10-199-317-39 | Sequence 39, Appl |
| 600 | 13 | 52.0 | 1819 | 14 | US-10-196-760-39 | Sequence 39, Appl | 673 | 13 | 52.0 | 1819 | 14 | US-10-199-665-39 | Sequence 39, Appl |

| | | | | | | |
|-----|----|------|------|----|-------------------|-------------------|
| 674 | 13 | 52.0 | 1819 | 14 | US-10-199-666-39 | Sequence 39, Appl |
| 675 | 13 | 52.0 | 1819 | 14 | US-10-199-669-39 | Sequence 39, Appl |
| 676 | 13 | 52.0 | 1819 | 14 | US-10-201-534-39 | Sequence 39, Appl |
| 677 | 13 | 52.0 | 1819 | 14 | US-10-201-770-39 | Sequence 39, Appl |
| 678 | 13 | 52.0 | 1819 | 14 | US-10-201-855-39 | Sequence 39, Appl |
| 679 | 13 | 52.0 | 1819 | 14 | US-10-201-856-39 | Sequence 39, Appl |
| 680 | 13 | 52.0 | 1819 | 14 | US-10-202-469-39 | Sequence 39, Appl |
| 681 | 13 | 52.0 | 1819 | 14 | US-10-202-470-39 | Sequence 39, Appl |
| 682 | 13 | 52.0 | 1819 | 14 | US-10-202-476-39 | Sequence 39, Appl |
| 683 | 13 | 52.0 | 1819 | 14 | US-10-202-934-39 | Sequence 39, Appl |
| 684 | 13 | 52.0 | 1819 | 14 | US-10-202-935-39 | Sequence 39, Appl |
| 685 | 13 | 52.0 | 1819 | 14 | US-10-202-936-39 | Sequence 39, Appl |
| 686 | 13 | 52.0 | 1819 | 14 | US-10-202-939-39 | Sequence 39, Appl |
| 687 | 13 | 52.0 | 1819 | 14 | US-10-205-504-39 | Sequence 39, Appl |
| 688 | 13 | 52.0 | 1819 | 14 | US-10-205-509-39 | Sequence 39, Appl |
| 689 | 13 | 52.0 | 1819 | 14 | US-10-205-895-39 | Sequence 39, Appl |
| 690 | 13 | 52.0 | 1819 | 14 | US-10-205-899-39 | Sequence 39, Appl |
| 691 | 13 | 52.0 | 1819 | 14 | US-10-205-900-39 | Sequence 39, Appl |
| 692 | 13 | 52.0 | 1819 | 14 | US-10-205-909-39 | Sequence 39, Appl |
| 693 | 13 | 52.0 | 1819 | 14 | US-10-195-890-39 | Sequence 39, Appl |
| 694 | 13 | 52.0 | 1819 | 14 | US-10-183-002-39 | Sequence 39, Appl |
| 695 | 13 | 52.0 | 1819 | 14 | US-10-184-621-39 | Sequence 39, Appl |
| 696 | 13 | 52.0 | 1819 | 14 | US-10-184-638-39 | Sequence 39, Appl |
| 697 | 13 | 52.0 | 1819 | 14 | US-10-187-752-39 | Sequence 39, Appl |
| 698 | 13 | 52.0 | 1819 | 14 | US-10-187-887-39 | Sequence 39, Appl |
| 699 | 13 | 52.0 | 1819 | 14 | US-10-194-461-39 | Sequence 39, Appl |
| 700 | 13 | 52.0 | 1819 | 14 | US-10-195-892-39 | Sequence 39, Appl |
| 701 | 13 | 52.0 | 1819 | 14 | US-10-196-751-39 | Sequence 39, Appl |
| 702 | 13 | 52.0 | 1819 | 14 | US-10-197-694-39 | Sequence 39, Appl |
| 703 | 13 | 52.0 | 1819 | 14 | US-10-197-697-39 | Sequence 39, Appl |
| 704 | 13 | 52.0 | 1819 | 14 | US-10-197-707-39 | Sequence 39, Appl |
| 705 | 13 | 52.0 | 1819 | 14 | US-10-199-303-39 | Sequence 39, Appl |
| 706 | 13 | 52.0 | 1819 | 14 | US-10-199-318-39 | Sequence 39, Appl |
| 707 | 13 | 52.0 | 1819 | 14 | US-10-199-458-39 | Sequence 39, Appl |
| 708 | 13 | 52.0 | 1819 | 14 | US-10-199-462-39 | Sequence 39, Appl |
| 709 | 13 | 52.0 | 1819 | 14 | US-10-201-324-39 | Sequence 39, Appl |
| 710 | 13 | 52.0 | 1819 | 14 | US-10-201-328-39 | Sequence 39, Appl |
| 711 | 13 | 52.0 | 1819 | 14 | US-10-201-528-39 | Sequence 39, Appl |
| 712 | 13 | 52.0 | 1819 | 14 | US-10-201-528-39 | Sequence 39, Appl |
| 713 | 13 | 52.0 | 1819 | 14 | US-10-201-530-39 | Sequence 39, Appl |
| 714 | 13 | 52.0 | 1819 | 14 | US-10-201-530-39 | Sequence 39, Appl |
| 715 | 13 | 52.0 | 1819 | 14 | US-10-202-408-39 | Sequence 39, Appl |
| 716 | 13 | 52.0 | 1819 | 14 | US-10-202-409-39 | Sequence 39, Appl |
| 717 | 13 | 52.0 | 1819 | 14 | US-10-202-411-39 | Sequence 39, Appl |
| 718 | 13 | 52.0 | 1819 | 14 | US-10-202-472-39 | Sequence 39, Appl |
| 719 | 13 | 52.0 | 1819 | 14 | US-10-205-502-39 | Sequence 39, Appl |
| 720 | 13 | 52.0 | 1819 | 14 | US-10-205-507-39 | Sequence 39, Appl |
| 721 | 13 | 52.0 | 1819 | 14 | US-10-205-511-39 | Sequence 39, Appl |
| 722 | 13 | 52.0 | 1819 | 14 | US-10-205-902-39 | Sequence 39, Appl |
| 723 | 13 | 52.0 | 1819 | 14 | US-10-205-907-39 | Sequence 39, Appl |
| 724 | 13 | 52.0 | 1819 | 14 | US-10-167-749-35 | Sequence 35, Appl |
| 725 | 13 | 52.0 | 1819 | 14 | US-10-194-456-39 | Sequence 39, Appl |
| 726 | 13 | 52.0 | 1819 | 14 | US-10-196-758-39 | Sequence 39, Appl |
| 727 | 13 | 52.0 | 1819 | 14 | US-10-198-770-39 | Sequence 39, Appl |
| 728 | 13 | 52.0 | 1819 | 14 | US-10-199-308-39 | Sequence 39, Appl |
| 729 | 13 | 52.0 | 1819 | 14 | US-10-200-611-39 | Sequence 39, Appl |
| 730 | 13 | 52.0 | 1819 | 14 | US-10-205-893-39 | Sequence 39, Appl |
| 731 | 13 | 52.0 | 1819 | 14 | US-10-205-897-39 | Sequence 39, Appl |
| 732 | 13 | 52.0 | 1819 | 14 | US-10-196-754-39 | Sequence 39, Appl |
| 733 | 13 | 52.0 | 1819 | 14 | US-10-013-921A-35 | Sequence 35, Appl |
| 734 | 13 | 52.0 | 1819 | 14 | US-10-174-571-39 | Sequence 39, Appl |
| 735 | 13 | 52.0 | 1819 | 14 | US-10-176-746-39 | Sequence 39, Appl |
| 736 | 13 | 52.0 | 1819 | 14 | US-10-176-923-39 | Sequence 39, Appl |
| 737 | 13 | 52.0 | 1819 | 14 | US-10-183-011-39 | Sequence 39, Appl |
| 738 | 13 | 52.0 | 1819 | 14 | US-10-184-633-39 | Sequence 39, Appl |
| 739 | 13 | 52.0 | 1819 | 14 | US-10-184-633-39 | Sequence 39, Appl |
| 740 | 13 | 52.0 | 1819 | 14 | US-10-187-742-39 | Sequence 39, Appl |
| 741 | 13 | 52.0 | 1819 | 14 | US-10-187-748-39 | Sequence 39, Appl |
| 742 | 13 | 52.0 | 1819 | 14 | US-10-188-766-39 | Sequence 39, Appl |
| 743 | 13 | 52.0 | 1819 | 14 | US-10-188-771-39 | Sequence 39, Appl |
| 744 | 13 | 52.0 | 1819 | 14 | US-10-192-006-39 | Sequence 39, Appl |
| 745 | 13 | 52.0 | 1819 | 14 | US-10-192-008-39 | Sequence 39, Appl |
| 746 | 13 | 52.0 | 1819 | 14 | US-10-192-009-39 | Sequence 39, Appl |

| | | | | | | | | | | | | | |
|-----|----|------|------|----|-------------------|-------------------|-----|----|------|------|----|---------------------|-------------------|
| 820 | 13 | 52.0 | 1819 | 14 | US-10-207-918-39 | Sequence 39, Appl | 893 | 13 | 52.0 | 1819 | 14 | US-10-206-907-39 | Sequence 39, Appl |
| 821 | 13 | 52.0 | 1819 | 14 | US-10-207-920-39 | Sequence 39, Appl | 894 | 13 | 52.0 | 1819 | 14 | US-10-183-009-39 | Sequence 39, Appl |
| 822 | 13 | 52.0 | 1819 | 14 | US-10-207-925-39 | Sequence 39, Appl | 895 | 13 | 52.0 | 1819 | 14 | US-10-187-755-39 | Sequence 39, Appl |
| 823 | 13 | 52.0 | 1819 | 14 | US-10-208-021-39 | Sequence 39, Appl | 896 | 13 | 52.0 | 1831 | 9 | US-09-778-320-297 | Sequence 297, App |
| 824 | 13 | 52.0 | 1819 | 14 | US-10-208-022-39 | Sequence 39, Appl | 897 | 13 | 52.0 | 1831 | 9 | US-09-910-689-297 | Sequence 297, App |
| 825 | 13 | 52.0 | 1819 | 14 | US-10-208-022-39 | Sequence 39, Appl | 898 | 13 | 52.0 | 1831 | 13 | US-10-010-742-297 | Sequence 297, App |
| 826 | 13 | 52.0 | 1819 | 14 | US-10-208-026-39 | Sequence 39, Appl | 899 | 13 | 52.0 | 1831 | 13 | US-10-205-823-280 | Sequence 280, App |
| 827 | 13 | 52.0 | 1819 | 14 | US-10-208-029-39 | Sequence 39, Appl | 900 | 13 | 52.0 | 1831 | 14 | US-10-177-293-327 | Sequence 327, App |
| 828 | 13 | 52.0 | 1819 | 14 | US-10-208-030-39 | Sequence 39, Appl | 901 | 13 | 52.0 | 1861 | 9 | US-10-176-847-7 | Sequence 7, Appl |
| 829 | 13 | 52.0 | 1819 | 14 | US-10-232-233-39 | Sequence 39, Appl | 902 | 13 | 52.0 | 1863 | 14 | US-09-815-244-7375 | Sequence 7375, Ap |
| 830 | 13 | 52.0 | 1819 | 14 | US-10-195-868-39 | Sequence 39, Appl | 903 | 13 | 52.0 | 1868 | 10 | US-09-764-877-2821 | Sequence 2821, Ap |
| 831 | 13 | 52.0 | 1819 | 14 | US-10-196-759-39 | Sequence 39, Appl | 904 | 13 | 52.0 | 1886 | 14 | US-10-037-270-547 | Sequence 647, App |
| 832 | 13 | 52.0 | 1819 | 14 | US-10-013-929A-35 | Sequence 35, Appl | 905 | 13 | 52.0 | 1814 | 9 | US-09-822-843A-323 | Sequence 323, App |
| 833 | 13 | 52.0 | 1819 | 14 | US-10-016-177A-35 | Sequence 35, Appl | 906 | 13 | 52.0 | 1957 | 13 | US-10-027-632-97501 | Sequence 97501, A |
| 834 | 13 | 52.0 | 1819 | 14 | US-10-173-693-39 | Sequence 39, Appl | 907 | 13 | 52.0 | 1957 | 13 | US-10-027-632-98536 | Sequence 98536, A |
| 835 | 13 | 52.0 | 1819 | 14 | US-10-174-578-39 | Sequence 39, Appl | 908 | 13 | 52.0 | 1962 | 13 | US-10-027-632-97169 | Sequence 97169, A |
| 836 | 13 | 52.0 | 1819 | 14 | US-10-175-741-39 | Sequence 39, Appl | 909 | 13 | 52.0 | 1962 | 13 | US-10-027-632-98309 | Sequence 98309, A |
| 837 | 13 | 52.0 | 1819 | 14 | US-10-175-750-39 | Sequence 39, Appl | 910 | 13 | 52.0 | 1962 | 13 | US-10-027-632-98310 | Sequence 98310, A |
| 838 | 13 | 52.0 | 1819 | 14 | US-10-176-986-39 | Sequence 39, Appl | 911 | 13 | 52.0 | 1974 | 14 | US-10-084-817-729 | Sequence 729, App |
| 839 | 13 | 52.0 | 1819 | 14 | US-10-184-641-39 | Sequence 39, Appl | 912 | 13 | 52.0 | 1976 | 12 | US-10-237-446-71 | Sequence 299, App |
| 840 | 13 | 52.0 | 1819 | 14 | US-10-187-888-39 | Sequence 39, Appl | 913 | 13 | 52.0 | 1976 | 12 | US-10-242-074-71 | Sequence 71, Appl |
| 841 | 13 | 52.0 | 1819 | 14 | US-10-194-360-39 | Sequence 39, Appl | 914 | 13 | 52.0 | 1976 | 12 | US-10-242-505-71 | Sequence 71, Appl |
| 842 | 13 | 52.0 | 1819 | 14 | US-10-194-365-39 | Sequence 39, Appl | 915 | 13 | 52.0 | 1976 | 12 | US-10-242-574-71 | Sequence 71, Appl |
| 843 | 13 | 52.0 | 1819 | 14 | US-10-195-895-39 | Sequence 39, Appl | 916 | 13 | 52.0 | 1976 | 12 | US-10-243-261-71 | Sequence 71, Appl |
| 844 | 13 | 52.0 | 1819 | 14 | US-10-199-302-39 | Sequence 39, Appl | 917 | 13 | 52.0 | 1976 | 12 | US-10-243-282-71 | Sequence 71, Appl |
| 845 | 13 | 52.0 | 1819 | 14 | US-10-201-323-39 | Sequence 39, Appl | 918 | 13 | 52.0 | 1976 | 12 | US-10-243-402-71 | Sequence 71, Appl |
| 846 | 13 | 52.0 | 1819 | 14 | US-10-205-510-39 | Sequence 39, Appl | 919 | 13 | 52.0 | 1976 | 12 | US-10-243-431-71 | Sequence 71, Appl |
| 847 | 13 | 52.0 | 1819 | 14 | US-10-205-891-39 | Sequence 39, Appl | 920 | 13 | 52.0 | 1976 | 12 | US-10-245-164-71 | Sequence 71, Appl |
| 848 | 13 | 52.0 | 1819 | 14 | US-10-206-917-39 | Sequence 39, Appl | 921 | 13 | 52.0 | 1976 | 12 | US-10-244-972-71 | Sequence 71, Appl |
| 849 | 13 | 52.0 | 1819 | 14 | US-10-207-923-39 | Sequence 39, Appl | 922 | 13 | 52.0 | 1976 | 12 | US-10-197-942-71 | Sequence 71, Appl |
| 850 | 13 | 52.0 | 1819 | 14 | US-10-207-924-39 | Sequence 39, Appl | 923 | 13 | 52.0 | 1976 | 12 | US-10-238-156-71 | Sequence 71, Appl |
| 851 | 13 | 52.0 | 1819 | 14 | US-10-208-028-39 | Sequence 39, Appl | 924 | 13 | 52.0 | 1976 | 12 | US-10-245-013-71 | Sequence 71, Appl |
| 852 | 13 | 52.0 | 1819 | 14 | US-10-205-904-39 | Sequence 39, Appl | 925 | 13 | 52.0 | 1976 | 14 | US-10-245-103-71 | Sequence 71, Appl |
| 853 | 13 | 52.0 | 1819 | 14 | US-10-175-753-39 | Sequence 39, Appl | 926 | 13 | 52.0 | 1976 | 14 | US-10-245-107-71 | Sequence 71, Appl |
| 854 | 13 | 52.0 | 1819 | 14 | US-10-180-553-39 | Sequence 39, Appl | 927 | 13 | 52.0 | 1976 | 14 | US-10-245-143-71 | Sequence 71, Appl |
| 855 | 13 | 52.0 | 1819 | 14 | US-10-201-327-39 | Sequence 39, Appl | 928 | 13 | 52.0 | 1976 | 14 | US-10-245-771-71 | Sequence 71, Appl |
| 856 | 13 | 52.0 | 1819 | 14 | US-10-121-062-39 | Sequence 39, Appl | 929 | 13 | 52.0 | 1976 | 14 | US-10-245-851-71 | Sequence 71, Appl |
| 857 | 13 | 52.0 | 1819 | 14 | US-10-183-003-39 | Sequence 39, Appl | 930 | 13 | 52.0 | 1976 | 14 | US-10-245-883-71 | Sequence 71, Appl |
| 858 | 13 | 52.0 | 1819 | 14 | US-10-183-016-39 | Sequence 39, Appl | 931 | 13 | 52.0 | 1976 | 14 | US-10-237-535-71 | Sequence 71, Appl |
| 859 | 13 | 52.0 | 1819 | 14 | US-10-173-696-39 | Sequence 39, Appl | 932 | 13 | 52.0 | 1976 | 14 | US-10-238-183-71 | Sequence 71, Appl |
| 860 | 13 | 52.0 | 1819 | 14 | US-10-125-923A-39 | Sequence 39, Appl | 933 | 13 | 52.0 | 1976 | 14 | US-10-238-283-71 | Sequence 71, Appl |
| 861 | 13 | 52.0 | 1819 | 14 | US-10-176-491-39 | Sequence 39, Appl | 934 | 13 | 52.0 | 1976 | 14 | US-10-238-370-71 | Sequence 71, Appl |
| 862 | 13 | 52.0 | 1819 | 14 | US-10-176-979-39 | Sequence 39, Appl | 935 | 13 | 52.0 | 1976 | 14 | US-10-245-055-71 | Sequence 71, Appl |
| 863 | 13 | 52.0 | 1819 | 14 | US-10-187-592-39 | Sequence 39, Appl | 936 | 13 | 52.0 | 1976 | 14 | US-10-245-147-71 | Sequence 71, Appl |
| 864 | 13 | 52.0 | 1819 | 14 | US-10-197-691-39 | Sequence 39, Appl | 937 | 13 | 52.0 | 1976 | 14 | US-10-245-730-71 | Sequence 71, Appl |
| 865 | 13 | 52.0 | 1819 | 14 | US-10-198-771-39 | Sequence 39, Appl | 938 | 13 | 52.0 | 1976 | 14 | US-10-245-739-71 | Sequence 71, Appl |
| 866 | 13 | 52.0 | 1819 | 14 | US-10-174-575A-39 | Sequence 39, Appl | 939 | 13 | 52.0 | 1976 | 14 | US-10-245-880-71 | Sequence 71, Appl |
| 867 | 13 | 52.0 | 1819 | 14 | US-10-179-520-39 | Sequence 39, Appl | 940 | 13 | 52.0 | 1976 | 14 | US-10-239-126-71 | Sequence 71, Appl |
| 868 | 13 | 52.0 | 1819 | 14 | US-10-201-325-39 | Sequence 39, Appl | 941 | 13 | 52.0 | 1976 | 14 | US-10-243-054-71 | Sequence 71, Appl |
| 869 | 13 | 52.0 | 1819 | 14 | US-10-202-941-39 | Sequence 39, Appl | 942 | 13 | 52.0 | 1976 | 14 | US-10-243-409-71 | Sequence 71, Appl |
| 870 | 13 | 52.0 | 1819 | 14 | US-10-205-910-39 | Sequence 39, Appl | 943 | 13 | 52.0 | 1976 | 14 | US-10-245-621-71 | Sequence 71, Appl |
| 871 | 13 | 52.0 | 1819 | 14 | US-10-179-525-39 | Sequence 39, Appl | 944 | 13 | 52.0 | 1976 | 14 | US-10-245-880-71 | Sequence 71, Appl |
| 872 | 13 | 52.0 | 1819 | 14 | US-10-166-709A-35 | Sequence 35, Appl | 945 | 13 | 52.0 | 1976 | 14 | US-10-245-033-71 | Sequence 71, Appl |
| 873 | 13 | 52.0 | 1819 | 14 | US-10-173-701-39 | Sequence 39, Appl | 946 | 13 | 52.0 | 1976 | 14 | US-10-243-095-71 | Sequence 71, Appl |
| 874 | 13 | 52.0 | 1819 | 14 | US-10-179-511-39 | Sequence 39, Appl | 947 | 13 | 52.0 | 1976 | 14 | US-10-245-185-71 | Sequence 71, Appl |
| 875 | 13 | 52.0 | 1819 | 14 | US-10-179-518-39 | Sequence 39, Appl | 948 | 13 | 52.0 | 1976 | 14 | US-10-245-427-71 | Sequence 71, Appl |
| 876 | 13 | 52.0 | 1819 | 14 | US-10-183-018-39 | Sequence 39, Appl | 949 | 13 | 52.0 | 1976 | 14 | US-10-245-473-71 | Sequence 71, Appl |
| 877 | 13 | 52.0 | 1819 | 14 | US-10-184-624-39 | Sequence 39, Appl | 950 | 13 | 52.0 | 1976 | 14 | US-10-245-770-71 | Sequence 71, Appl |
| 878 | 13 | 52.0 | 1819 | 14 | US-10-184-657-39 | Sequence 39, Appl | 951 | 13 | 52.0 | 1976 | 14 | US-10-245-877-71 | Sequence 71, Appl |
| 879 | 13 | 52.0 | 1819 | 14 | US-10-197-701-39 | Sequence 39, Appl | 952 | 13 | 52.0 | 1976 | 14 | US-10-246-976-71 | Sequence 71, Appl |
| 880 | 13 | 52.0 | 1819 | 14 | US-10-197-706-39 | Sequence 39, Appl | 953 | 13 | 52.0 | 1976 | 14 | US-10-246-350-71 | Sequence 71, Appl |
| 881 | 13 | 52.0 | 1819 | 14 | US-10-201-857-39 | Sequence 39, Appl | 954 | 13 | 52.0 | 1976 | 14 | US-10-242-743-71 | Sequence 71, Appl |
| 882 | 13 | 52.0 | 1819 | 14 | US-10-202-413-39 | Sequence 39, Appl | 955 | 13 | 52.0 | 1976 | 14 | US-10-242-845-71 | Sequence 71, Appl |
| 883 | 13 | 52.0 | 1819 | 14 | US-10-202-938-39 | Sequence 39, Appl | 956 | 13 | 52.0 | 1976 | 14 | US-10-237-656-71 | Sequence 71, Appl |
| 884 | 13 | 52.0 | 1819 | 14 | US-10-202-940-39 | Sequence 39, Appl | 957 | 13 | 52.0 | 1976 | 14 | US-10-238-325-71 | Sequence 71, Appl |
| 885 | 13 | 52.0 | 1819 | 14 | US-10-205-508-39 | Sequence 39, Appl | 958 | 13 | 52.0 | 1976 | 14 | US-10-238-346-71 | Sequence 71, Appl |
| 886 | 13 | 52.0 | 1819 | 14 | US-10-205-905-39 | Sequence 39, Appl | 959 | 13 | 52.0 | 1976 | 14 | US-10-238-411-71 | Sequence 71, Appl |
| 887 | 13 | 52.0 | 1819 | 14 | US-10-206-918-39 | Sequence 39, Appl | 960 | 13 | 52.0 | 1976 | 14 | US-10-243-124-71 | Sequence 71, Appl |
| 888 | 13 | 52.0 | 1819 | 14 | US-10-208-025-39 | Sequence 39, Appl | 961 | 13 | 52.0 | 1976 | 14 | US-10-243-445-71 | Sequence 71, Appl |
| 889 | 13 | 52.0 | 1819 | 14 | US-10-198-760-39 | Sequence 39, Appl | 962 | 13 | 52.0 | 1976 | 14 | US-10-243-446-71 | Sequence 71, Appl |
| 890 | 13 | 52.0 | 1819 | 14 | US-10-201-772-39 | Sequence 39, Appl | 963 | 13 | 52.0 | 1976 | 14 | US-10-245-874-71 | Sequence 71, Appl |
| 891 | 13 | 52.0 | 1819 | 14 | US-10-184-611-39 | Sequence 39, Appl | 964 | 13 | 52.0 | 1976 | 14 | US-10-242-653-71 | Sequence 71, Appl |
| 892 | 13 | 52.0 | 1819 | 14 | US-10-187-735-39 | Sequence 39, Appl | 965 | 13 | 52.0 | 1976 | 14 | US-10-243-167-71 | Sequence 71, Appl |

| Sequence | US-10-243-388-71 | Sequence 71, Appl |
|----------|------------------|-------------------|
| C 966 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 967 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 968 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 969 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 970 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 971 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 972 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 973 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 974 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 975 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 976 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 977 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 978 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 979 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 980 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 981 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 982 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 983 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 984 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 985 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 986 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 987 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 988 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 989 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 990 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 991 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 992 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 993 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 994 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 995 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 996 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 997 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 998 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 999 | 13 52.0 1976 14 | Sequence 71, Appl |
| C 1000 | 13 52.0 1976 14 | Sequence 71, Appl |

ALIGNMENTS

RESULT 1
US-09-784-423-125
Sequence 125, Application US/09784423

Patent No. US20020012924A1
GENERAL INFORMATION:

APPLICANT: Schumm, James W.
Bacher, Jeffery W.

TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS

NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESS: Promega Corporation
STREET: 2800 Woods Hollow Road

CITY: Madison

STATE: Wisconsin

COUNTRY: U.S.A.

ZIP: 53711-5399

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb

OPERATING SYSTEM: Windows 95

SOFTWARE: Word 97 (DOS text format)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/784,423

FILING DATE: 15-Feb-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/018,584

FILING DATE: 04-Feb-1998

ATTORNEY/AGENT INFORMATION:

NAME: Grady J. Frenchick

REGISTRATION NUMBER: 29,018

REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 125
SEQUENCE CHARACTERISTICS:
LENGTH: 25
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 125

Query Match 100.0%; Score 25; DB 9; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.6e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCGAGGACCGAATTACAG 25
DB 1 TGTGCGAGGACCGAATTACAG 25

RESULT 2
US-09-784-423-32/c
Sequence 32, Application US/09784423
Patent No. US20020012924A1
GENERAL INFORMATION:

APPLICANT: Schumm, James W.
Bacher, Jeffery W.

TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS

NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESS: Promega Corporation
STREET: 2800 Woods Hollow Road

CITY: Madison

STATE: Wisconsin

COUNTRY: U.S.A.

ZIP: 53711-5399

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb

COMPUTER: IBM compatible PC

OPERATING SYSTEM: Windows 95

SOFTWARE: Word 97 (DOS text format)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/784,423

FILING DATE: 15-Feb-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/018,584

FILING DATE: 04-Feb-1998

ATTORNEY/AGENT INFORMATION:

NAME: Grady J. Frenchick

REGISTRATION NUMBER: 29,018

REFERENCE/DOCKET NUMBER: 16026.9180

TELECOMMUNICATION INFORMATION:

TELEPHONE: (608) 257-3501

TELEFAX: (608) 257-2275

INFORMATION FOR SEQ ID NO: 32

SEQUENCE CHARACTERISTICS:

LENGTH: 1000 bp

TYPE: Nucleic Acid

STRANDEDNESS: Double

MOLECULE TYPE: Genomic DNA

HYPOTHETICAL: no

IMMEDIATE SOURCE:

CLONE: S132

POSITION IN GENOME:

CHROMOSOME/SEGMENT: 22

SEQUENCE DESCRIPTION: SEQ ID NO: 32

US-09-784-423-32

Query Match 100.0%; Score 25; DB 9; Length 1000;
Best Local Similarity 100.0%; Pred. No. 6.8e-05;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCGAGAACCGAATTTACG 25
DB 726 TGTGCCGAGAACCGAATTTACG 702

RESULT 3

US-10-027-632-311837/C
Sequence 311837, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 311837
LENGTH: 624
TYPE: DNA
ORGANISM: Human
US-10-027-632-311837

Query Match 68.0%; Score 17; DB 13; Length 624;
Best Local Similarity 100.0%; Pred. No. 2.7;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CAGGAACGAGAAATTTA 22
DB 536 CAGGAACGAGAAATTTA 520

RESULT 4

US-10-017-161-1629/C
Sequence 1629, Application US/10017161
GENERAL INFORMATION:
APPLICANT: SUWA, MAKIKO
APPLICANT: ASAI, KIYOSHI
APPLICANT: AKIYAMA, YUTAKA
APPLICANT: ABURATANI, HIROYUKI
TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
FILE REFERENCE: 084335/0152
CURRENT APPLICATION NUMBER: US/10/017,161
CURRENT FILING DATE: 2002-12-18
PRIOR APPLICATION NUMBER: JP 2001/246789
PRIOR FILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 2430
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1629
LENGTH: 7273
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:

NAME/KEY: SOURCE
LOCATION: (1)..(7273)
FEATURE:
NAME/KEY: CDS
LOCATION: (201)..(264)
FEATURE:
NAME/KEY: CDS
LOCATION: (1125)..(1354)
FEATURE:
NAME/KEY: CDS
LOCATION: (1572)..(1721)
FEATURE:
NAME/KEY: CDS
LOCATION: (1955)..(2086)
FEATURE:
NAME/KEY: CDS
LOCATION: (3141)..(3257)
FEATURE:
NAME/KEY: CDS
LOCATION: (4706)..(4858)
FEATURE:
NAME/KEY: CDS
LOCATION: (5577)..(5698)
FEATURE:
NAME/KEY: CDS
LOCATION: (5963)..(6231)
FEATURE:
NAME/KEY: CDS
LOCATION: (6857)..(6926)
FEATURE:
NAME/KEY: CDS
LOCATION: (6998)..(7073)
US-10-017-161-1629

Query Match 68.0%; Score 17; DB 12; Length 7273;
Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TGCAGGAGACGAGAAAT 19
DB 3978 TGCAGGAGACGAGAAAT 3962

RESULT 5
US-09-864-761-11479/C
Sequence 11479, Application US/09864761
Patent No. US20020046763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aecm1ca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30

```

; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-179918
Query Match
Best Local Similarity 64.0%; Score 16; DB 9; Length 442;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TGTGCCAGAACCGA 16
Db 226 TGTGCCAGAACCGA 211

RESULT 6
US-10-027-632-179918/c
; Sequence 179918, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 179918
; LENGTH: 494
```

```

; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-179918
Query Match
Best Local Similarity 64.0%; Score 16; DB 13; Length 494;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TGTGCCAGAACCGA 16
Db 49 TGTGCCAGAACCGA 34

RESULT 7
US-10-027-632-220234/c
; Sequence 220234, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 220234
; LENGTH: 624
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-220234

Query Match
Best Local Similarity 64.0%; Score 16; DB 13; Length 624;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

7 AGGAACCGAATTTA 22
Db 357 AGGAACCGAATTTA 342

RESULT 8
US-10-027-632-220235/c
; Sequence 220235, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
```

PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 220235
LENGTH: 624
TYPE: DNA
ORGANISM: Human
US-10-027-632-220235

Query Match 64.0%; Score 16; DB 13; Length 624;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 AGGACCGAATTTA 22
DB 357 AGGACCGAATTTA 342

RESULT 9
US-10-027-632-114443
Sequence 114443, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 114443
LENGTH: 641
TYPE: DNA
ORGANISM: Human
US-10-027-632-114443

Query Match 64.0%; Score 16; DB 13; Length 641;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TGTGCGAGAACGAGA 16
DB 227 TGTGCGAGAACGAGA 242

RESULT 10
US-10-027-632-253734/C
Sequence 253734, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 253734
LENGTH: 1630
TYPE: DNA
ORGANISM: Human
US-10-027-632-253734

Query Match 64.0%; Score 16; DB 13; Length 1630;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 5 CCAGAACCGAATTT 20
DB 898 CCAGAACCGAATTT 883

RESULT 11
US-09-814-353-21503
Sequence 21503, Application US/09814353
Publication No. US20030165831A1
GENERAL INFORMATION:
APPLICANT: Lee, John
APPLICANT: Thompson, Pamela
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
IDENTIFICATION, ASSESSMENT, PREVENTION, AND
THERAPY OF OVARIAN CANCER
FILE REFERENCE: MRI-006B
CURRENT APPLICATION NUMBER: US/09/814,353
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: US 60/191,031
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: US 60/207,124
PRIOR FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/211,940
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: US 60/216,820
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 60/220,661
PRIOR FILING DATE: 2000-07-25
PRIOR APPLICATION NUMBER: US 60/257,672
PRIOR FILING DATE: 2000-12-21
NUMBER OF SEQ ID NOS: 22037
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 21503
LENGTH: 1791
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1, 2, 1790, 1791
OTHER INFORMATION: n = A,T,C or G
US-09-814-353-21503

Query Match 64.0%; Score 16; DB 12; Length 1791;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGAACGAGA 16
DB 122 TGTGCCAGGAACGAGA 137

RESULT 12
US-10-027-632-81341
Sequence 81341, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 81341
LENGTH: 538
TYPE: DNA
ORGANISM: Human
US-10-027-632-81341

Query Match
Best Local Similarity 100.0%; Score 15; DB 13; Length 538;
Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGAACGAG 15
DB 172 TGTGCCAGGAACGAG 186

RESULT 13
US-10-027-632-82646
Sequence 82646, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 82646

LENGTH: 538
TYPE: DNA
ORGANISM: Human
US-10-027-632-82646

Query Match
Best Local Similarity 100.0%; Score 15; DB 13; Length 538;
Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGAACGAG 15
DB 172 TGTGCCAGGAACGAG 186

RESULT 14
US-10-027-632-180681
Sequence 180681, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 180681
LENGTH: 538
TYPE: DNA
ORGANISM: Human
US-10-027-632-180681

Query Match
Best Local Similarity 100.0%; Score 15; DB 13; Length 538;
Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGTGCCAGGAACGAG 15
DB 172 TGTGCCAGGAACGAG 186

RESULT 15
US-10-027-632-301780
Sequence 301780, Application US/10027632
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 301780
; LENGTH: 538
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-301780

Query Match 60.0%; Score 15; DB 13; Length 538;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TGTGCCAGGAACCCAG 15
|||
Db 172 TGTGCCAGGAACCCAG 186

Search completed: October 9, 2003, 17:54:18
Job time : 26.2381 secs

